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Model
MAGAZINE
INTERNATIONAL

ISSUE
340
February 2024
£5.99

RETURN OF THE MANDALORIAN
Revell's new
N1 Starfighter kit
in big 1:24 scale



Model MAGAZINE

INTERNATIONAL



VAILLANT ENDEAVOUR pt2
Our **MEGA FEATURE** on Tamiya's
classic 1:12 **Porsche 934** continues!

A CURIOUS DISCOVERY

Creating a VI diorama in 1:48 using
Tamiya kits and heaps of creativity



INSIDE

Tamiya PACHI 83 photo-competition, Telford SMW 2023,
plus new kits, books and modelling accessories...

DOOLITTLE
MEDIA



1/700 WATER LINE SERIES



f Find us on facebook, search Hobbyco UK & Tamiya UK

✉ Sign Up to our Newsletter on www.hobbyco.net

Cutting-Edge Defense on the Waves

1/700 Water Line Series

JMSDF Defense Ship FFM-1 Mogami (Item 31037)

The first ship of the revolutionary Mogami class, the FFM-1 Mogami was commissioned in April 2022, and the new FFM classification signified its ships' status as frigates (FF) with high stealth, and given a Multi-purpose brief including Mine-sweeping duties (M). Now, Tamiya welcomes this cutting-edge ship into the 1/700 Water Line Series. Its striking form featuring angular design and Unicorn antenna on the mast is authentically captured in style. The kit also features realistic depictions of missile launchers and antennas, and some components can be attached without the need for cement. Enjoy assembling this innovative defense ship which will surely be a key for the future coastal defense of Japan.

The SH-60K patrol helicopter is realistically depicted. Rotors can be assembled deployed or folded.



The helicopter hangar interior is also captured, with open or closed shutters.

JMSDF DEFENSE SHIP FFM-1 MOGAMI

Slide molded mast parts realistically recreate even small protrusions and give ease of assembly.



L/62 5-inch gun with poly cap turns right and left, and features barrel elevation.

Remotely controlled weapon station

Unicorn antenna

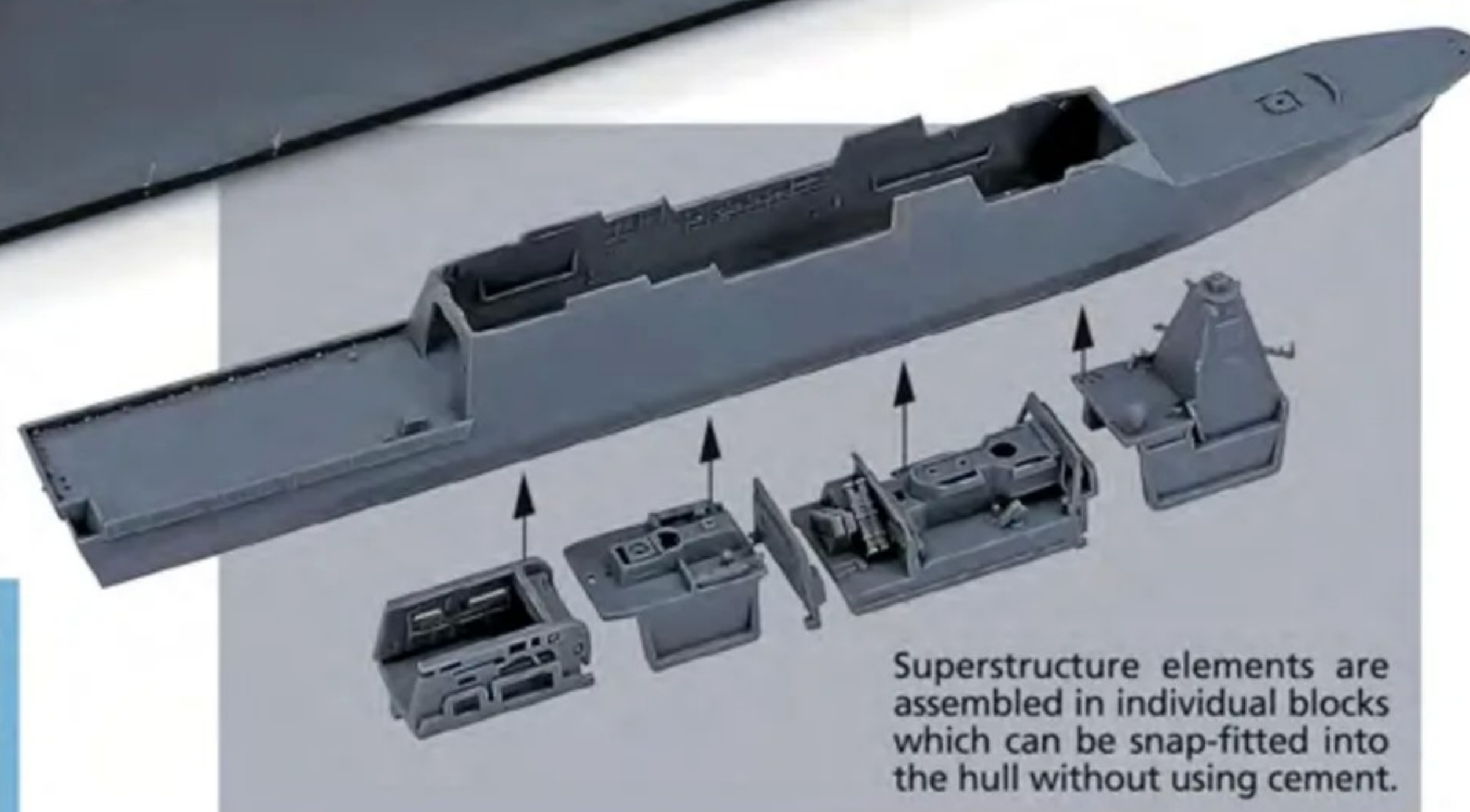
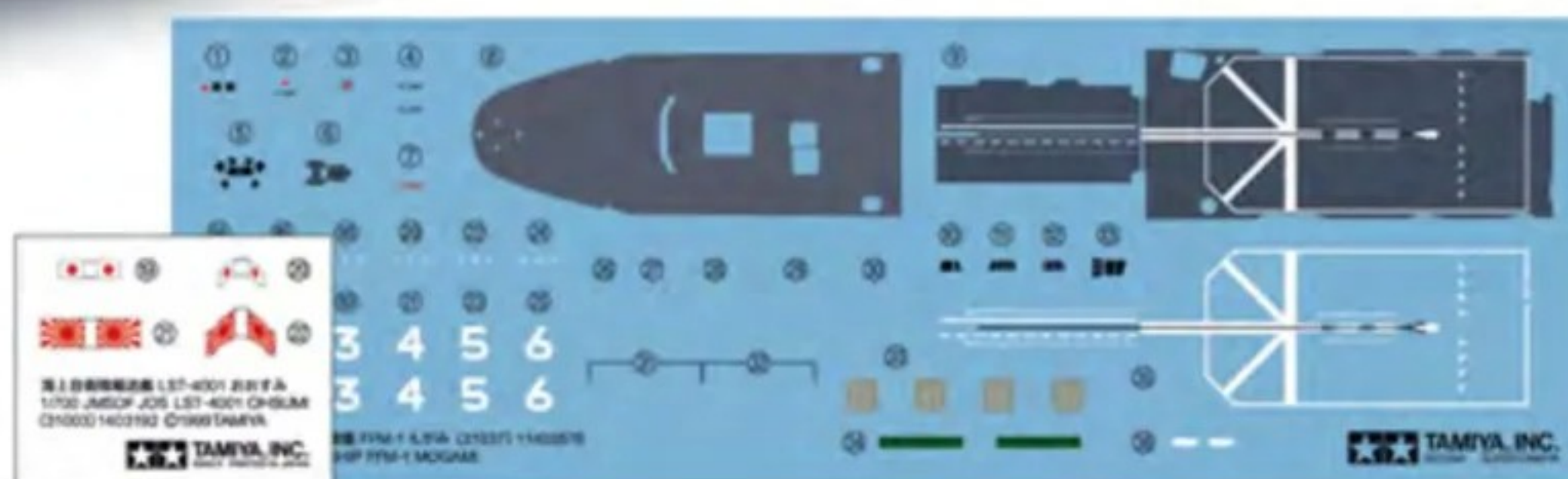
SSMS-3 quadruple missile launcher

SeaRAM sea-to-sea missile system

The hull is split into two components, and hatches are finely molded.

★Length: 190mm
★Width: 23mm

Decals are included to recreate the first six ships of this class. JMSDF flag decals are also included.



Superstructure elements are assembled in individual blocks which can be snap-fitted into the hull without using cement.

Painting the JMSDF Defense Ship FFM-1 Mogami

●Hull : AS-7 Neutral Gray ●Upper deck : LP-14 IJN Gray (Maizuru Arsenal)

《Tamiya Color Spray Paints for Aircraft (AS) / Tamiya Color Lacquer Paints (LP)》

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

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





48 RETURN OF THE MANDALORIAN
Revell's all-new N1 Starfighter kit in 1:24 scale



Model MAGAZINE INTERNATIONAL

Issue 340 February 2024

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IN BRIEF...



TAMIYA

- 1:350 Japanese Navy Submarine I-400 Special Edition
- 1:35 Churchill Crocodile
- 1:35 Pteranodon
- 1:10 RC Toyota Supra (JZA80) (BT-01)
- 1:10 RC Motul Autech Z (TT-02)

tamiya.com hobbyco.net

COPPER STATE MODELS

- 1:35 & 1:32 German Wanderer motorcycle

copperstatemodels.com

HASEGAWA

- 1:24 Nissan Fairlady Z (Z32) 300ZX Twin Turbo 2by2 (1989)

hasegawa-model.co.jp

HOBBYBOSS

- 1:35 Bergepanzer BPz3A1 "Buffalo" ARV
- 1:35 Russian BMD-2
- 1:48 Hurricane Mk.IIcTrop
- 1:48 TBD-1 Devastator
- 1:48 US B-24J Liberator
- 1:72 Russian 9K79 Tochka (SS-21 Scarab) IRBM

creativemodels.co.uk

ICM

- 1:72 OV-10D+ Bronco
- 1:48 Gotha Go244B-2
- 1:48 Martin B-26 Marauder
- 1:48 RAF Pilots in tropical uniform 1941-1945
- 1:35 Kozak-2 Ukrainian National Guard
- WWII US Aviation acrylic paint set
- Wehrmacht Afrikakorps acrylic paint set

icm.com.ua hannants.co.uk

MINIART

- 1:48 P-47D-30RE Thunderbolt
- 1:35 StuG.III Ausf.G Alkett Prod. October 1943

miniart-models.com creativemodels.co.uk



REVELL

- 3D Puzzle Ghostbusters Ecto-1
- 3D Puzzle Harry Potter Hogwarts Castle
- 1:72 Berliner Luftbrücke Airlift Model Set
- 1:72 Leopard 2A6/A6M Model Set
- 1:32 Bell AH-1G Cobra
- 1:25 '71 Oldsmobile 442 Model Set
- 1:24 The Mandalorian N-1 Starfighter
- 1:24 Land Rover Series III LWB Model Set

revell.de

RYE FIELD MODEL

- 1:35 Volkswagen Type 87 with full interior

ryefield-model.com



TRUMPETER

- 1:700 USS Iowa BB-61 WWII Fast Battleship
- 1:350 USS Midway CV-41
- 1:350 HMS Naiad WWII Dido-Class Light Cruiser
- 1:35 US LVSR MKR16 10x10 Tractor

bachmann.co.uk

VESPID MODELS

- 1:72 T-34/85 Mod.1944 Plant 183

tankmuseumshop.org



NEW FROM TAMIYA - 2024 catalogue

It's a perennial purchase for all modellers! Tamiya's new 2024 catalogue is on sale soon. www.tamiya.com www.hobbyco.net

NEW FROM TAMIYA

Tamiya 1:10 RC TA08R Chassis Kit

The TA08PRO chassis gets the 'limited-edition' treatment here with the inclusion of a small mountain of amazing Tamiya Hop-Up Options in the box along with a few parts exclusive to this edition.

www.tamiya.com www.hobbyco.net



COMING BACK SOON FROM TAMIYA

1:24 FIAT 500F

Tamiya's 1:24 FIAT 500 was always a superb model so it's great that it's coming back for everyone to enjoy again. The model can be built as a street car or with racing number and stripe. www.tamiya.com www.hobbyco.net



NEW FROM ICM

1:48 Ki-21-1a Sally

ICM already offer a 1:72 kit of the WW2 Japanese Sally heavy bomber and now we have an all new model in the much larger 1:48!

www.icm.com.ua www.hannants.co.uk



NEW FROM REVELL

1:24 Star Wars Speeder Bike

Ideally designed to work with Bandai's 1:12 Star Wars figures, this new Speeder Bike comes with Scout Trooper rider and even a little Grogu in his saddle bag!

www.revell.de



NEW FROM EDUARD

WW2 Luftwaffe ProfiPACK kits

In 1:72 we have the Messerschmitt Bf 109F-2 Friedrich and in 1:48, the Bf109G-6/AS Gustav and Focke-Wulf Fw190A-7. Top quality as always from Eduard.

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



NEW FROM ANDY'S HOBBY HEADQUARTERS 1:16 M8 Greyhound

Jaw-dropping news from Andy's Hobby Quarters with their announcement of a 1:16 kit of the WW2 American M8 Greyhound armoured car! More details soon. www.andyshhq.com

NEW FROM GECKO MODELS 1:35 British WWII Tractor, 4X4, Field Artillery (C8 Mk.II Late) 35GM0066) New-tool

This highly detailed model of the boxy British World War Two artillery tug comes with a high parts-count and a hefty instruction booklet! www.tigerhobbies.co.uk



NEW FROM HASEGAWA 1:24 Minolta Toyota 91 C-V

Hasegawa sneaked this kit out last year as a new-release but it deserves a little extra publicity. The Esso Toyota 92C-V '1992 JSPC' and Denso Toyota 91C-V '1991 JSPC' are to follow. www.hasegawa-model.co.jp



NEW FROM ICM 1:35 Studebaker US6-U3

New parts have been added to ICM's excellent 2007 kit of Studebaker's 1941 US6-U3 US military truck, a large number of which were operated by the Soviet Allies in WW2 under the Lend-Lease scheme. www.icm.com.ua www.hannants.co.uk



NEW FROM TRUMPETER 1:72 US Navy A-6E Intruder

After a long wait for the A-6A version, the A-6E variant of the US Navy's Grumman Intruder will follow in quick order. Expect an accurate and highly detailed miniature replica of this handsome Cold War jet. www.bachmann.co.uk



BACK FROM AIRFIX 1:24 Junkers Ju87B Stuka

One of the most desirable kits for modellers in the 1970s was Airfix's huge Stuka. It's back again and still looking impressive. www.airfix.com



NEW FROM MINIART

1:35 US Army K-51 radio truck with K-52 trailer

This new release from MiniArt combines a modified version of the G7105 4x4 1.5t truck with K-52 trailer and PE-95 power unit, with SCR-299 radio for the van's interior. Fantastic for a diorama and the box artwork is terrific. www.miniart-models.com www.creativemodels.co.uk



COMING SOON FROM EDUARD

- 1:35 Sd.Kfz. 251/1 Ausf. C radio equipment
- 1:48 F-4E LööK (for Meng)
- 1:48 A6M3 Gun Bays Long Barrel PRINT (for Eduard)
- 1:48 F-16D Fighting Falcon ejection seats (for Kinetic)
- 1:48 Bf109 Balance Weights PRINT (for Eduard)
- 1:48 FM-2 cockpit w/armoured headrest (for Eduard)

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



Newsdesk **EXTRA**

Over the last few weeks and months, we have received an unusually high quantity of new kits for review here at Tamiya Model Magazine. So many that we have had to move the 'New Releases' section! So over the next few pages you will see a brief look at what has appeared lately. Most are new releases and some are reissues. Some of these will also appear in more detailed previews in the near future and others still will receive the full-build treatment.



TAMIYA

1:20 Celica LB Turbo Gr.5 (20072) Re-issue

Pleasingly larger than 1:24, this '70s classic is back, with freshly-printed decals.

www.tamiya.com www.hobbyco.net



AIRFIX

1:48 Fairey Gannet AS.1/AS.4 (A11007) New tool

The most talked-about Airfix release lately, this Gannet is large and comes with folded-wing option.

www.airfix.com



DORA WINGS

1:48 Vultee Vengeance Mk.II (DW48044) New tool

A highly detailed cockpit and bomb bay are provided in this superb kit of Vultee's big dive bomber.

www.dorawings.com www.albionhobbies.com



GECKO MODELS

1:35 British WWII Tractor, 4x4, Field Artillery (C8 Mk.II Late) 35GM0066 New-tool

An incredibly detailed replica of this pugnacious World War Two primer-mover with a large parts-count.

www.gecko-models.com www.tigerhobbies.co.uk



ICM

1:35 Gulaschkanone WWII Mobile Field Kitchen LKW AHN (35415) New version

ICM's French AHN truck is put to good use here, with a German army 'gulaschkanone' field-kitchen included in the box.

www.icm.com.ua www.hannants.co.uk



ICM

1:35 Typ 320 (W142) Soft Top WWII German Staff Car (35542) New version

ICM's (Mercedes) Typ 320 now comes with an erected soft-top and markings for a matt, panzer-grey version.

www.icm.com.ua www.hannants.co.uk

le modelling is has never had it so good! While this is a very nice problem to have, it will take us ages to run them all through the usual
e new to us at TMMI, but all are wonderful models that will offer a great deal of satisfaction and enjoyment to build. Some of the kits you see



ARMA HOBBY

1:48 Hurricane Mk.IIc Trop (4005) New tool

Some of the most refined injection-mouldings TMMI has seen; full build coming soon.
www.armahobby.com



DORA WINGS

1:48 Republic P-47B Thunderbolt (DW48051) New tool

An interesting early variant of Republic's 'Jug' with very fine detail and attractive, early-war markings.
www.dorawings.com www.albionhobbies.com



GECKO MODELS

1:35 Mk.I Sawn Off Daimler SOD (35GM0028) New version

The modified wheel arch-less incarnation of Gecko's superb 1:35 Daimler armoured car; masses of detail and full interior.
www.gecko-models.com www.tigerhobbies.co.uk



GECKO MODELS

1:35 US Army Heavy Type II (M400T) Pallet Fork Lift (35GM0030) New version

The forth iteration of Gecko's excellent little 'skid-steer' loader kit, this time with tracks and forklift attachment for pallets.
www.gecko-models.com www.tigerhobbies.co.uk



ICM

1:35 V3000S/SSM Maultier 'Einheitsfahrerhaus' WWII German Truck (35410) New version

The base (Ford) V3000S vehicle kit was launched in 2010 and in this release, we have 'Maultier' tracks and wooden cabin.
www.icm.com.ua www.hannants.co.uk



KINETIC GOLD

1:48 KF-16U ROKAF VIPER (K48153) New version

Kinetic's new-generation F-16 depicts the Korean 'KF-16U' here, with very fine detail and ROKAF markings.
www.kineticmodel.com www.luckymodel.com



MINIART

1:48 P-47D-25RE Thunderbolt (48009) New-tool

MiniArt's P-47 Thunderbolt is 100% new and it looks it; fantastic detail in the cockpit and airframe and this is just their 'basic' kit.

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

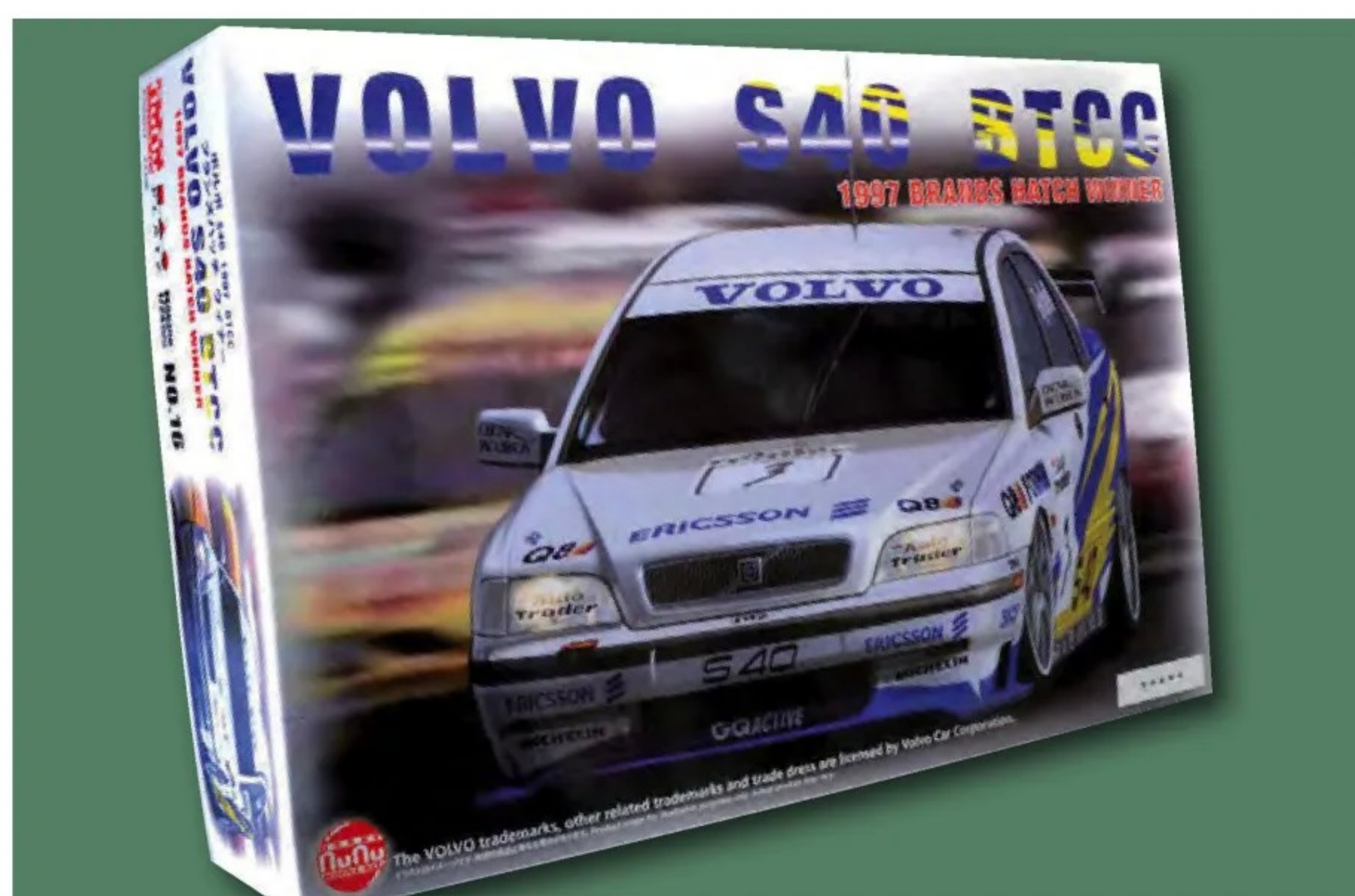


MINIART

1:35 G-527 250GL Water Trailer 'Water Buffalo' (35458) New tool

The US 'Water Buffalo' trailer slaked the thirst of many thousands of GIs and this beautiful little kit is a near-perfect miniature replica.

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



NUNU HOBBY MODEL KIT

1:24 Volvo S40 BTCC 1997 Brands Hatch Winner

Nunu's '97 British Touring Car Championship Volvo S40 is a 'curbside' (engineless) kit but that's made up for with full cabin and window masks.

www.hobbyco.net



REVELL

1:24 Land Rover Series III LWB (07056) New version

Revell's first and excellent new Land Rover was the four-door LWB and now we have the two-door Commercial version with smaller windows.

www.revell.de



TAKOM

1:72 IJN Aircraft Carrier Akagi Island & Flight Deck, Pearl Harbor 1941 (5023) New tool

In this imaginative release we have a 360mm x 280mm section of Akagi's carrier deck, plus island. Just add a plane and deck crew!

www.bachmann.co.uk



TAKOM

1:35 Jagdpanzer 38(t) Hetzer Late Production Limited Edition (2172X) New version

Takom's Hetzer family is a recent addition to their catalogue and they feature lovely detail without being too time-consuming to complete.

www.bachmann.co.uk



MINIART

1:35 US Army G7105 4x4 1.5t Panel Van (35405) New tool

This delicious recent release comes with part-by-part chassis, engine and suspension. Further versions of the truck are already on the way.

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



MINIART

1:35 StuH42 Mid Prod Jul-Oct 1943 (35385) New version

This mid-war howitzer-version of MiniArt's amazing StuG.III is supplied with photo-etched brass 'schürzen' side-skirts and engine cooling grilles.

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



REVELL

1:24 The Mandalorian N-1 Starfighter (06787) New tool

You can see our build-up later this issue to see how detailed this all-new and large Starfighter is. Brilliant stuff for Mandalorian fans.

www.revell.de



RUBICON MODELS

1:56 (28mm) LVT(A)-1/LVT(A) AmTank (280066) 2018 release

The scale of this kit is rarely seen in TMMI but don't be put off; a fantastic little AmTank kit is in the box and its tracks are very well done.

www.rubiconmodels.co.uk



TAKOM

1:35 AH-64D Apache Longbow Block II Late Version (2608) New version

The huge kit box contains a lot of parts, all with eye-popping detail to create an amazing, fully-riveted replica of the deadly Apache.

www.bachmann.co.uk



THUNDER MODEL

1:32 US Tug Clarktor 6, MILL-33 The Heavy Duty Airfield Tractor (32001) New tool

In the slim box arrives one large and two small sprues of plastic, plus photo-etched brass and four rubber tyres. An excellent diorama addition.

www.albionhobbies.com

TAMIYA PACHI 83

Once again, 'PACHI' was blessed with plenty of entries from around the world, covering an age range of eleven to eighty-two, and many of the entrants put a special emphasis on the diorama section, while in the model section of the contest, the entries showed real individuality

DIORAMAS



Operation Varsity

Name: Akira Hitomi • Age: 59 • Scale: 1:35

My diorama pictures a scene from Operation Varsity in 1945, and stars the Comet and a motorcycle. The damaged Comet front fender was cut out of an aluminium can and I constructed the camouflage using gauze and water-based adhesive. This picture was taken outdoors and used a background panel.



(Left) **Scouting the enemy**

Name: Yuki Shirayama
Age: 16
Scale: 1:35

(Centre) **1st Reconnaissance Combat Battalion**

Name: Yuki Kase
Age: 26
Scale: 1:35

(Right) **Ready to advance**

Name: Kenichi Sanada
Age: 52
Scale: 1:35

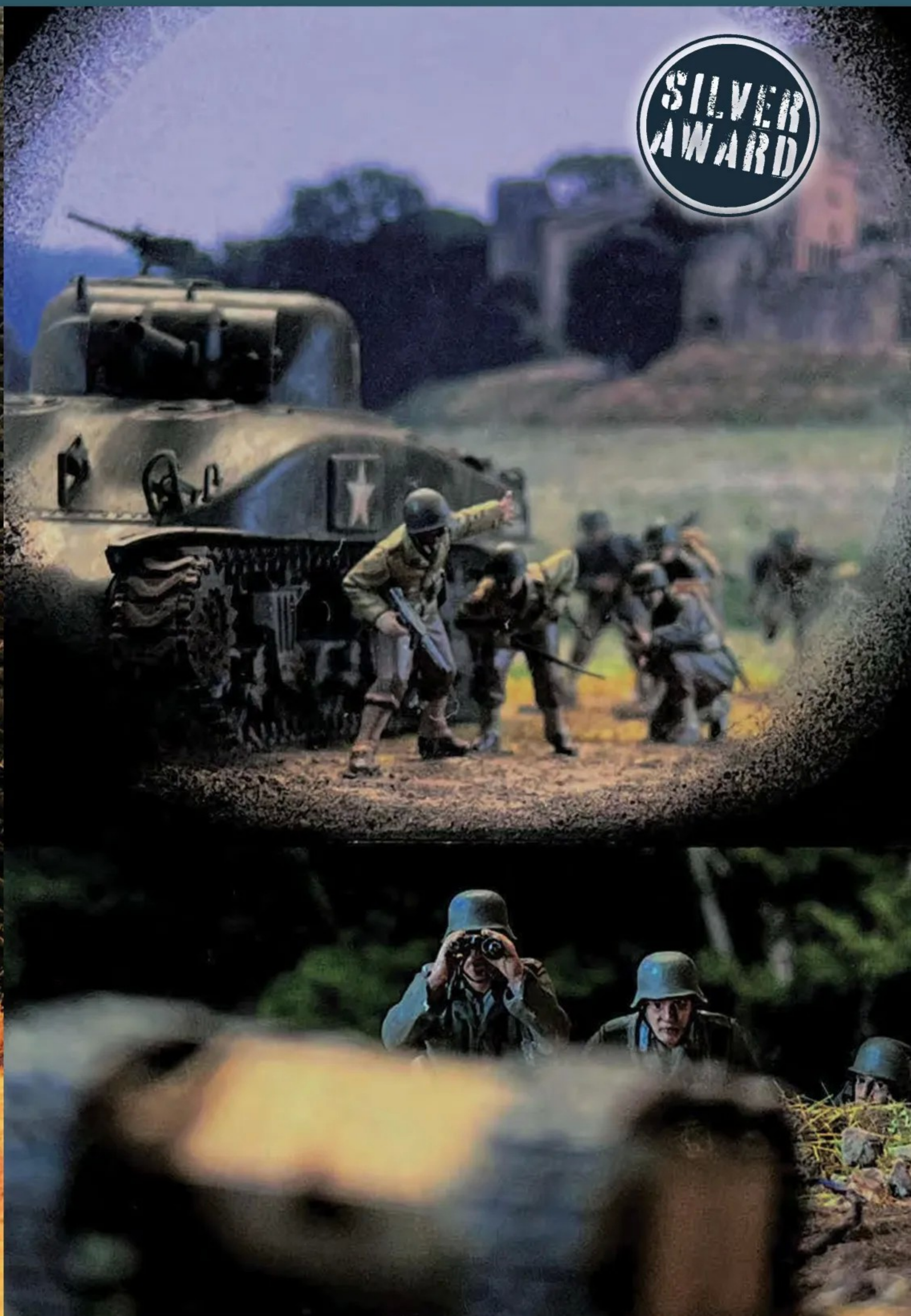


SILVER
AWARD

To the Western Desert

Name: Junichi Nishijima • Age: 64 • Scale: 1:35

My diorama depicts an ANZAC LRDG platoon in rather relaxed mood, and I was trying to mimic the style of photo taken by photographers on the ground in a conflict. I took the picture by a window for natural light and set the focus on the figures and luggage.

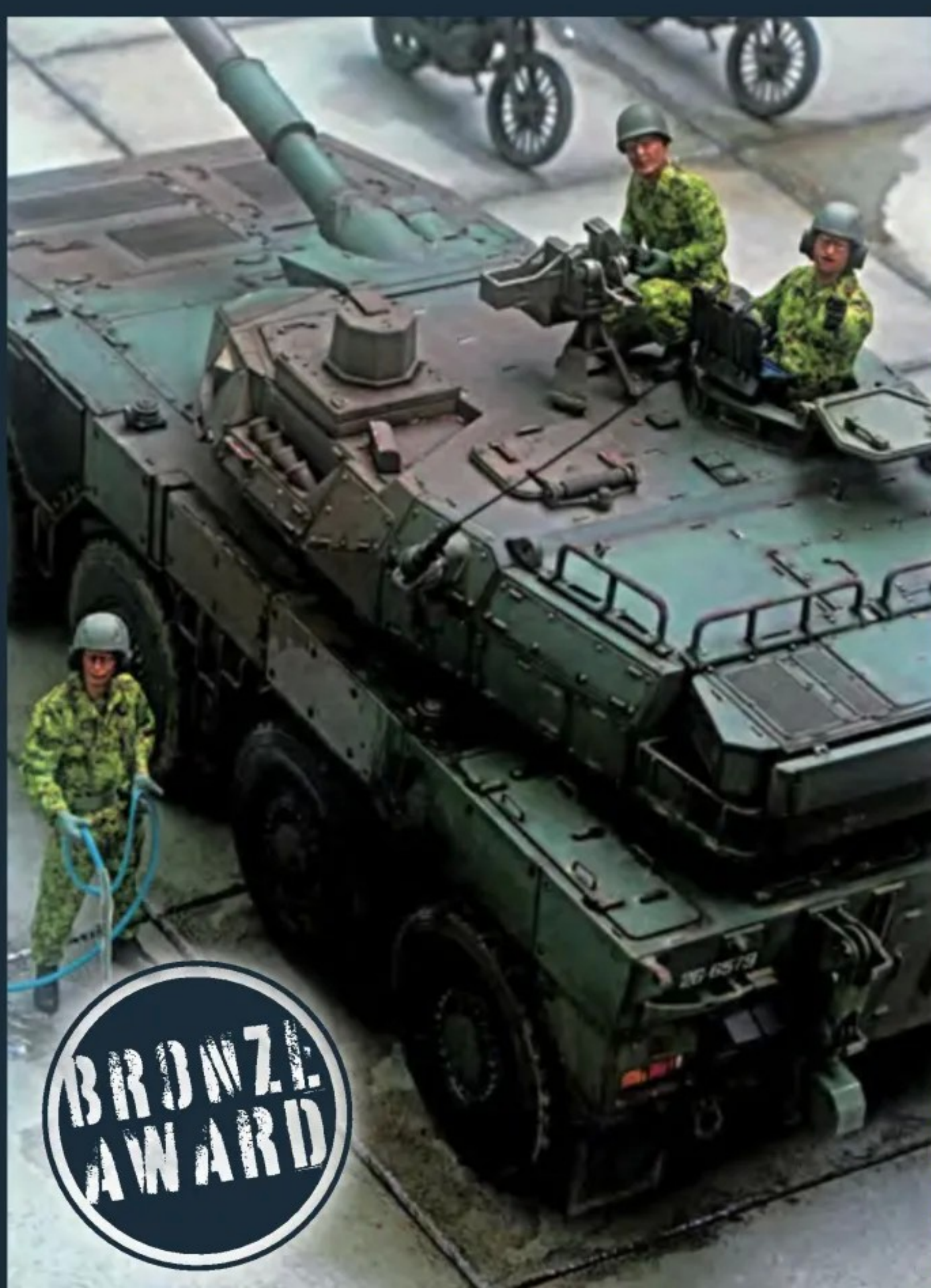


SILVER
AWARD

Straight ahead!

Name: Nobuya Etoh • Age: 62 • Scale: 1:35 and 1:48

Using binoculars and a bit of artistic license, I hoped to capture both ends of a dramatic scene: on the one side, German soldiers following their Goliath, on the other, American troops who have just seen it incoming. It took quite a few attempts to line up the acrylic sheet, the upper scene and my smart phone camera, but I am pretty pleased with the end result.



BRONZE
AWARD



BRONZE
AWARD

Newsdesk **EXTRA**

MODEL PHOTO-COMPETITION

BRONZE
AWARD



(Above)
The final fight for Berlin

Name: Morio Abeyama
Age: 61
Scale: 1:35

SPECIAL
AWARD



(Below)
Bucharest 1989

Name: Mikihiro Hino
Age: 15
Scale: 1:48

JUNIOR
AWARD



(Below)
Let's have a break

Name: Kanta Hino
Age: 12
Scale: 1:35

(Right)
A friendly F-16

Name: Shigeo Hayashi
Age: 61
Scale: 1:16, 1:72



JUNIOR
AWARD

MODELS



M4A3E8

Name: Rin Yon Min • Age: 49 • Scale: 1:35

I switched to use link-type tracks, and added photo-etched parts for the light mounts, periscope, M2 and more. To add a bit more visually, I depicted rain streaks and weathered the running gear using pastels. I'm pretty happy with the rather realistic end result.

Type 16 MCV C5

Name: Kentaro Minami

Age: 32

Scale: 1:35

Aside from the Tamiya metal barrel Detail-Up Parts Set and some third-party resin tyres, this was built straight out of the box. I already had an idea of my final picture before I started building the model, so I fixed the suspension in place and liberally applied some weathering with reference to pictures of the real thing. I snapped it using a telephoto lens and the red and white background is a nod to the Japanese flag.



Panzer IV 70/(A)

Name: Yosuke Yamada

Age: 59

Scale: 1:35

I built my model as a vehicle fresh off of the production line and just into service. I did the camouflage while referring to photos of the time, and tried to keep the tones relatively light. In removing one of the Schürzen, I hoped to give the model an air of recent combat, while also showing off the running gear beneath. The bucket, tow cable and camo wires are additions of my own.



Newsdesk **EXTRA**

MODEL PHOTO-COMPETITION

BRONZE
AWARD



M8 Greyhound

Name: Ryuji Nozawa • Age: 68 • Scale: 1:35

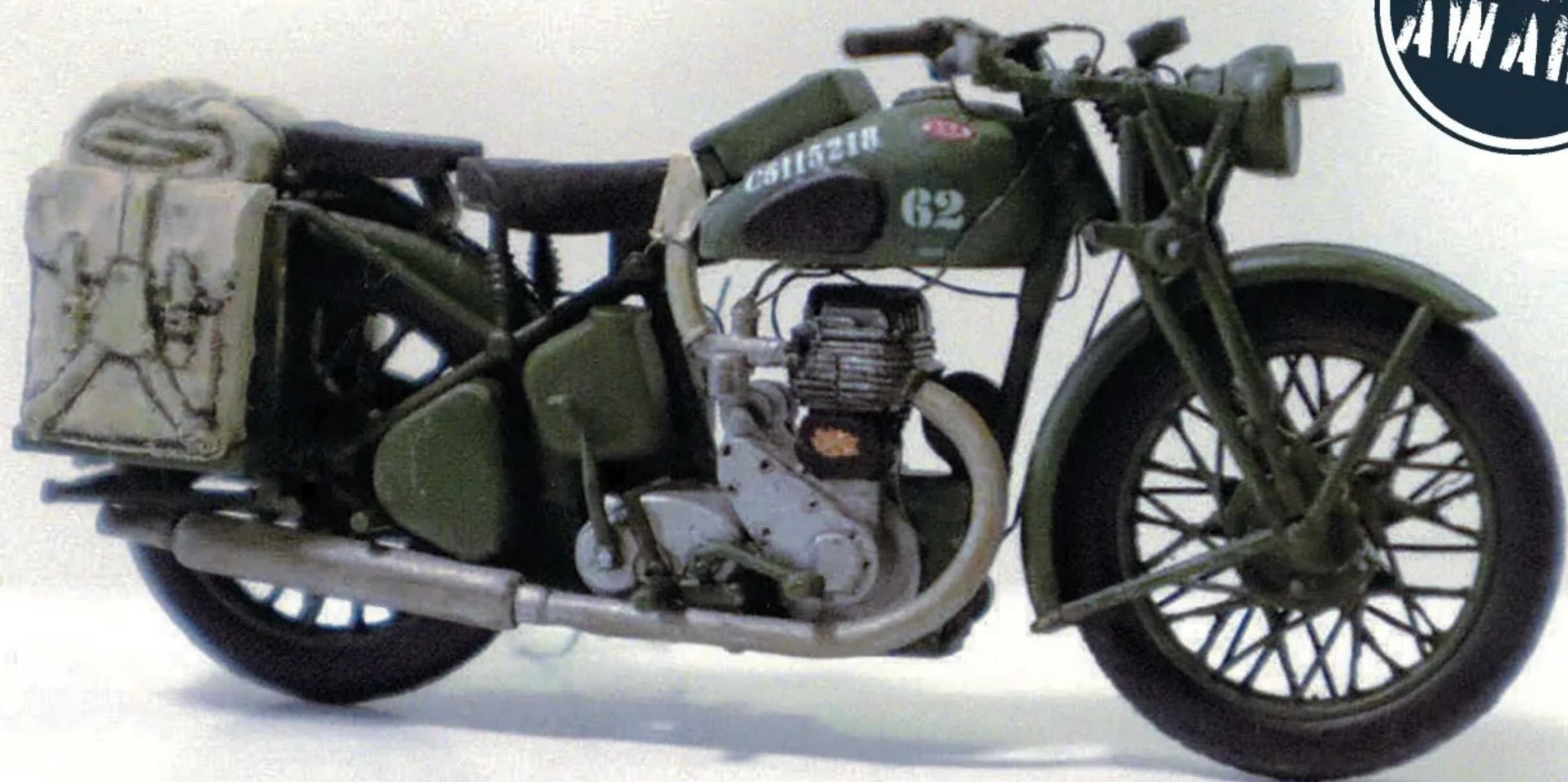
BRONZE
AWARD



A34 Comet

Name: Yu Kwok Leung • Age: 59 • Scale: 1:35

BRONZE
AWARD



(Left)
BSA M20

Name: Yoshiaki Nakajima
Age: 60
Scale: 1:35

(Right)
**Leopard 2 A6
"Ukraine"**

Name: Sota Tani
Age: 15
Scale: 1:35

JUNIOR
AWARD



(Left)
Pz.Kpfw.IV Ausf.F

Name: Garyo Mori
Age: 15
Scale: 1:35

(Right)
Fire Power 74

Name: Hiroyuki Oda
Age: 60
Scale: 1:35

JUNIOR
AWARD



SPECIAL
AWARD





Type 74 with Mine Roller

Name: Tomofumi Konno • Age: 62 • Scale: 1:35



Revell

Build Your Dream!

LEVEL 5

NEW PARTS



Also includes parts/decals to model Swiss "Rega" version
04969 Airbus H145 ADAC Air Rescue, 1:32

LEVEL 3



03808 Airbus A380, 1:288

LEVEL 5



03813 Dassault Mirage 2000C, 1:48

LEVEL 2

easy-click system



Parts are pre-coloured, so do not have to be painted
03653 Messerschmitt Bf109G-6 (easy-click), 1:32

LEVEL 2

easy-click system
TECHNIK



Features working lights and sound. Parts pre-coloured
00459 Volkswagen T2 Bus (easy-click Technik), 1:24

Available from all good model stockists and online from

hobbycraft

hobbycraft.co.uk/brand/revell



“The three big halls were packed with amazing models...”

TIME FOR TELFORD!

TMMI attends Scale Modelworld 2023 held in Telford, Shropshire, UK

This year, 'Telford' – as it is known for short – seemed significantly busier than last year's event and TMMI's sales were certainly very healthy. As usual, the three big halls were packed with amazing models on the club tables and competition area, plus thousands of kits and mountains of accessories for sale on the trade stands. It was a great weekend and we can't wait to get back! To give you a taste of the show, here is a selection of photographs showing models that caught our eye.

Contacts:

www.ipmsuk.org/ipms-scale-modelworld/





NEWS EXTRA: MODEL SHOW REPORT

SCALE MODELWORLD 2023





**NEW
MOULD**

1:48

Fairey Gannet AS.1/AS.4

A11007



FAIREY GANNET AS.4
849 Naval Air Squadron HQ training flight, Royal Naval Air Station Culdrose, circa 1959.



FAIREY GANNET AS.4
815 Naval Air Squadron, HMS Ark Royal, 1958.



FAIREY GANNET AS.1
847 Naval Air Squadron, RAF Nicosia, Cyprus, 1957.

Length 290mm Width 344mm Pieces 334

The most unconventional Fairey designed aircraft to enter full production, the Gannet was developed to meet a 1945 Royal Navy requirement for an advanced carrier-based turbo prop powered anti-submarine hunter killer. One feature of the Gannet which gave it a unique appearance was its innovative Armstrong Siddeley Double Mamba powerplant. This arrangement saw two gas turbine engines mounted side by side, sharing a common gearbox, but both operating independently, each engine driving its own coaxially mounted, contra-rotating propeller. Another unique feature was the bi-folding wing system, designed to allow this large aircraft to be stored aboard relatively small aircraft carriers.

- Wings folded build option (including jury struts)
- Three fully detailed cockpits
- Fully detailed bomb bay
- Deployed or stowed radome option
- Various aerial fits accuracy.



Airfix.com

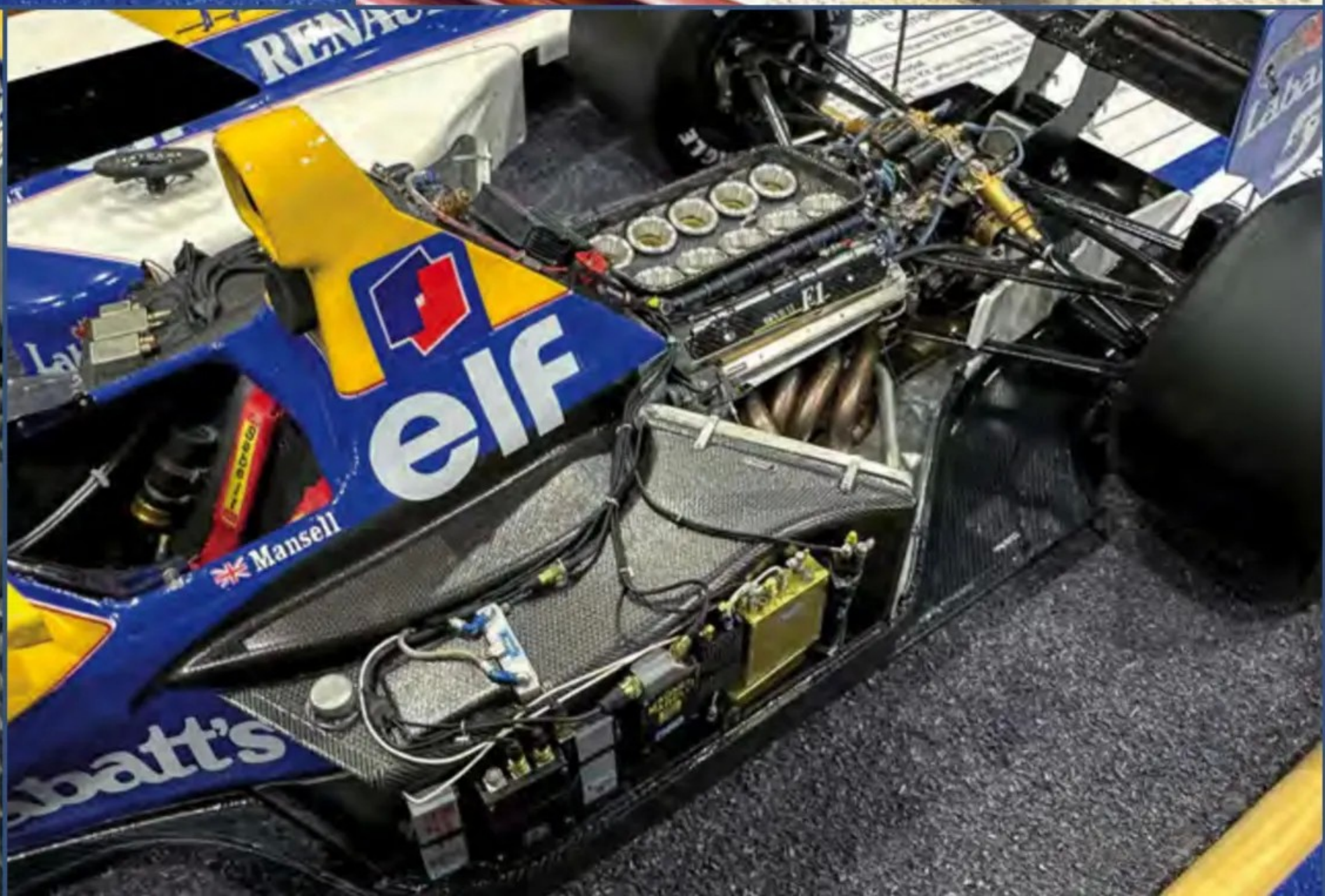
and all good retail stockists     

The excitement is building

**HORNBY
HOBBIES**
Official Product

NEWS EXTRA: MODEL SHOW REPORT

SCALE MODELWORLD 2023



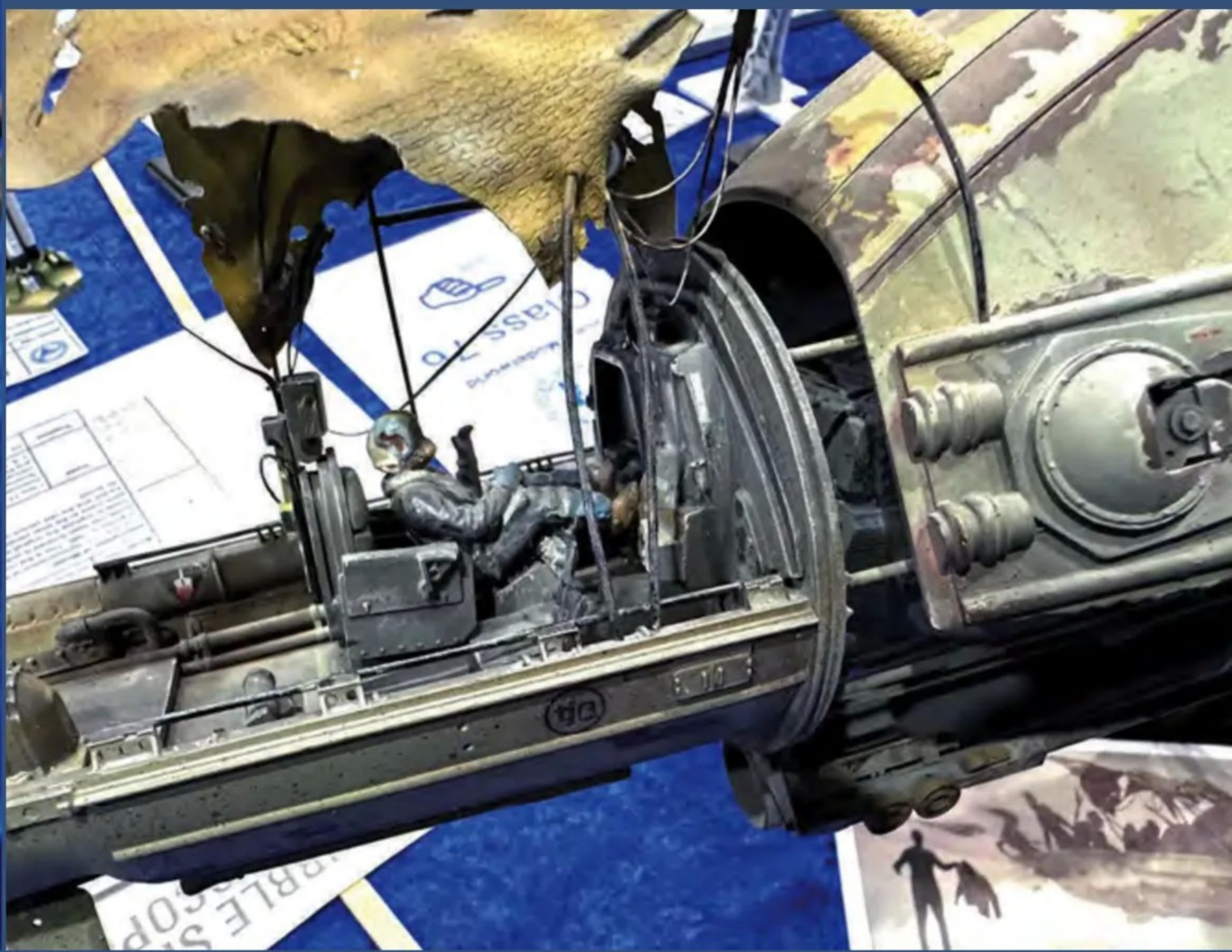


NEWS EXTRA: MODEL SHOW REPORT
SCALE MODELWORLD 2023





Jonathan Mock
It was wonderful to see long-time Tamiya Model Magazine friend, collaborator and top-notch model maker Jonathan Mock at the show, in fine fettle and industriously building new kits for Tamiya's UK importer, The Hobby Company Limited.
www.hobbyco.net



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Never in the Best



Kit is best to be used with ICM acrylic paint set #3021

Ki-21-Ib 'Sally'

Japanese Heavy Bomber

 342 mm

 471 mm

 265 parts

1:48
SCALE

Available



ICM.COM.UA

FULL-BUILD: WORLD WAR 2 FLYING BOMB

TAMIYA 1:48 V-1 FIESELER FI103, WWII US ARMY INFANTRY AT REST ● KIT NOS.61052 32552

V

What happens when you combine a collection of readily available Tamiya kits with some foam-board, Styrofoam and a little imagination? **Spencer Pollard** finds out...

FOR VANQUISHED:

A CURIOUS DISCOVERY



The idea was simple enough, at least to begin with. Grab a bunch of readily available kits, combine them into what you hope will be a coherent scene and then paint the results in a way that brings the whole shooting match together. Like I say, it was a simple enough idea... The seed of this concept was a trip to my local branch of Hobbycraft. Perusing the shelves for goodies as I often do, I was taken by Tamiya's 1:48 V-1, a simple kit that I had up until now not built. It was cheap as well, a factor that made any

possible plans well-within grasp. It was not until a few weeks later during another trip that I saw the kits as part of 'Black Friday' sale that allowed me to buy two and get a third essentially for free, that my plans were finally set in motion.

IN THE BOX

There is no getting away from the fact that Tamiya's V-1 is a very simple kit. Comprising little more than thirty parts, construction will tax no-one. Assembly can be completed in a matter of minutes on the way to painting and yes, decalling. Along with your

'Doodlebug' (my dad called them 'buzzbombs' when they were flying over his head in London during WW2. Ed) the kit also includes a very useful trolley, one of which you can see in my completed diorama. Across the board, detail is neat and tidy and perhaps representative of the levels expected when this kit was released two and a half decades ago. Panel lines are petite. There is an open vent for the pulse jet. Wings, large at the front, smaller at the back, are thin and well-formed. Fit is also noteworthy, most of the parts joining with aplomb, only

the cowling for the pulse jet needing a little filler around its join with the rest of the model.

If one criticism can be made of the kit, it is that it's perhaps too perfect! Examination of Cosford's exhibit revealed a very rough surface, with ragged areas of welding whereas in the kit, those features are replicated as delicate, incised lines. Were I to build another one of these kits, I think I will try and replicate those features, stretched sprue no-doubt working well to convert sunken lines into ones that looked to be raised up. ▶



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TAMIYA 1:48 V-1 FIESELER FI103, WWII US ARMY INFANTRY AT REST ● KIT NOS.61052 32552



The first part of the diorama to be completed was the jeep. Though I could have built it from the box, I couldn't resist adding some detail...

...the results being seen here



Though it goes against the grain a little, I like to build as much of these models as possible and then paint them as I would a figure. The Jeep was broken down into the chassis and wheels; main body; driver figure and finally, the .50 Cal machine gun



Stowage was added around the back seat using parts from the kit, some VP resin accessories, Green Stuff and parts from the Hauler range of resin details



The jerry cans that I used from Hauler's detailing set add a wonderful level of finesse around this model. Mixing resin and photo-etched brass, they really are the pinnacle of details in this scale



The model has been painted and weathered. The model was first base-coated with Tamiya Flat Black and then all panels and other details highlighted with relevant colours such as Olive Drab, Khaki, green and various shades for grey. These initial layers of colour were then accentuated with hand-painted highlights and shadows, all paint being from the AK 3G and Vallejo ranges. Oil paints could then be used to create layers of dust and shadow. These layers are particularly evident around the chassis and wheels. Decals are from the kit, applied over a gloss coat and then sealed-in with Gunze Sangyo GX Flat Clear



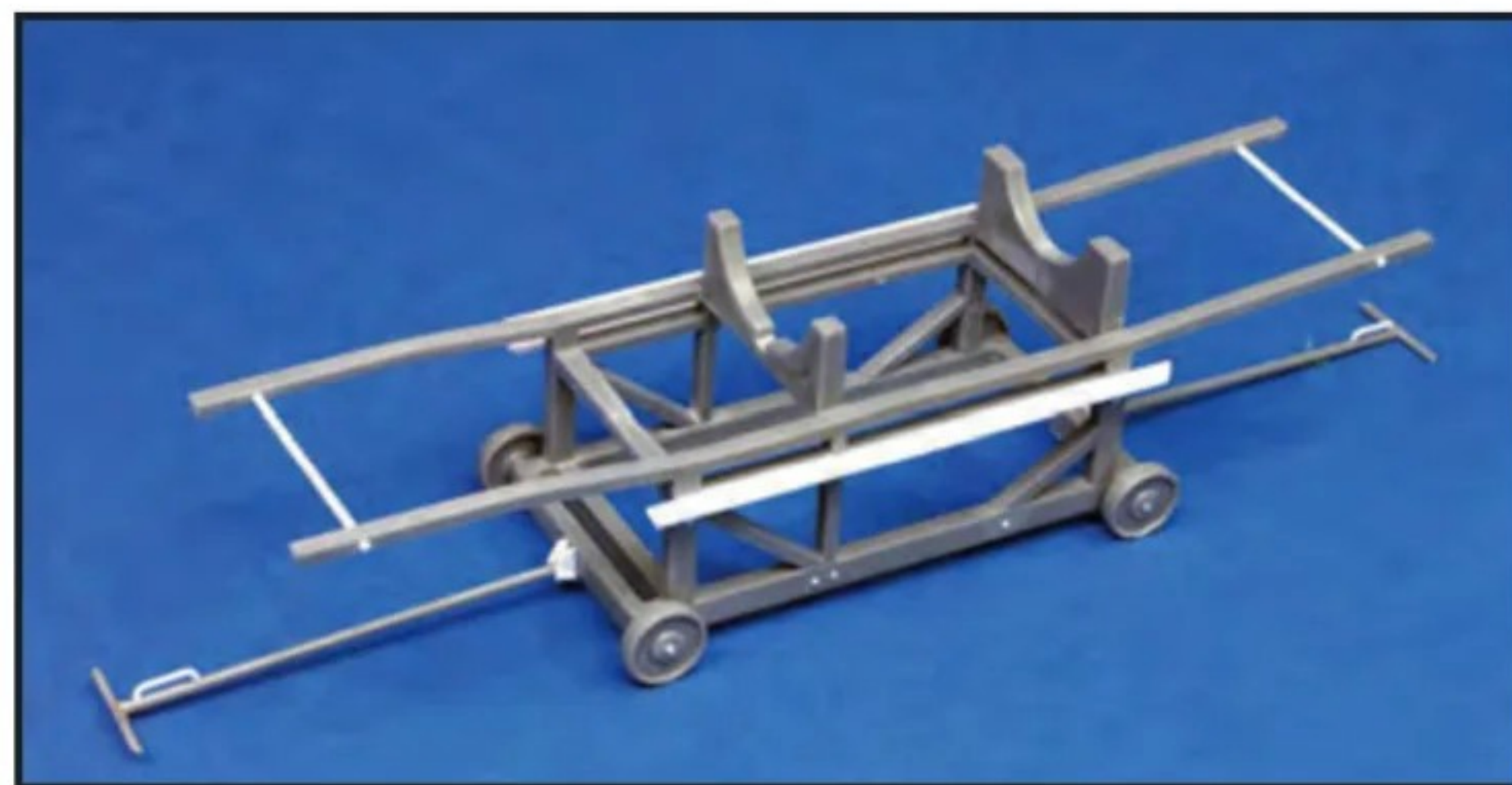
The diminutive size of this model can be seen here. Small, but perfectly formed!

❶ V-1 DOODLEBUG: THOUGHTS ON SET-UP

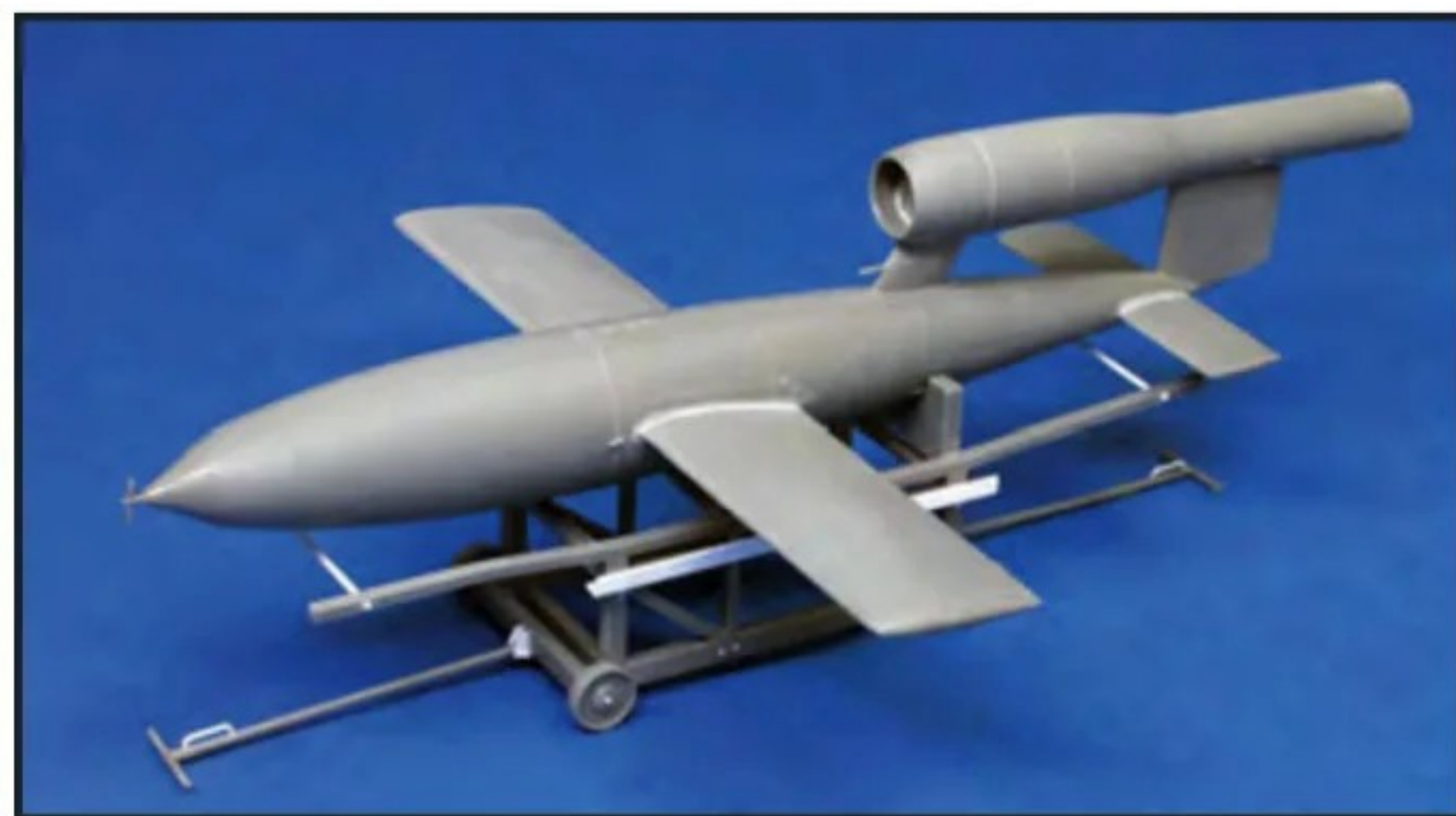
Having bought three V-1s, I was faced with what to do with them! Obviously, building them all in an identical manner would not have resulted in a very interesting scene, so I set about planning how to make each one different from that next to it. Step one was to build one of them as a complete machine. This would show how these fearsome weapons would have looked in use, wings in place ready to launch. The other two would be built in various states of undress, if you see what I mean. In practice that would mean one would be missing its wings, entirely. The other would have one wing in place, mounting poles slid through the fuselage.

At this point I was still intent on using all three, but that would soon change as it became obvious that they would not all work together. That being so, three became two and my scene started to come together in a more coherent way. This is always an important part of any diorama. It's easy to fall into the trap of sticking with an initial idea, even if that proves to be problematic. Never be afraid to change direction and though you may have bought a kit specifically for your scene (as I did, here) it will never go to waste, that kit often finding its way into another set-piece further down the line.

Having whittled my collection down slightly, I stuck with the idea of building one as a complete airframe and then the other with one wing missing. Both kits were built from the box, needing little more than some filling around the pulse jet's cowlings and wing joints - the latter, a redundant step that showed itself up following examination of a real V-1 at Cosford. You see, the main wings were not tightly fit against the fuselage, there being distinct gaps betwixt wings and fuselage sides. As you might imagine, this was duly noted for future builds... ▶



Having completed the Jeep, I began work on the V-1s. This began with the trolley for the 'complete' example that formed the backdrop of the scene. As can be seen here, the trolley was detailed to make it appear more realistic. Though the kit parts are okay, they do benefit from additional work and though this involves little more than plastic card, rod, strip and some creative thinking, the results look far more pleasing after a few minutes of work, than they do straight from the box



Sitting on its trolley, the first of our V-1s is a commanding little model that's full of character



In all honesty, it took longer to paint this model than I expected. Initially, I planned a different scheme but that didn't turn out so the model was stripped and repainted. The basic scheme is pale blue, oversprayed with a lattice pattern of light green. The nosecone was then painted in a dark, solid layer of green to create some contrast. Decals applied, I defined the detail with AMMO washes and oil paints. The idea here was to create the illusion of weathering, but only that resulting from being stood in a field for an extended period of time



The second of my V-1s was painted in one of the schemes seen on the box-top: dark green over pale blue with some green mottles. Though I had RLM colours in my collection, the green is actually Tamiya RAF Dark Green, lightened with Yellow Green and Flesh, subsequent layers of highlight colours helping to break up the finish and add some much-needed contrast. Once again, AMMO washes and oil paints helped to create the illusion of environmental weathering. Note the pole onto which the missing wing would slide



Side by side, the contrast between the two models is clear to see



The trolley was painted in Tamiya German Grey and then highlighted with Medium Sea Grey. Once dry, it was stippled with acrylics to create the illusion of chipped paint, German Camo Black Brown over the metalwork and Ochre Khaki over the damaged wooden structures. Washes of Dark Streaking Grime and Starship Wash added some much-needed dirt, before Streaking Rust Effects added that final layer of degradation. All in all, this was a fun part of this diorama!



As mentioned in the opening text, I started with the intention of using three V-1s, but couldn't make that work. In these two shots you can see some initial layout ideas, as well as how the base first looked with its righthand corner intact. The base incidentally, was constructed using a picture frame and then the plinth using foam-board, clad with black plastic card

DIORAMA: LAYOUT AND SUBSEQUENT CHANGES

From the off I knew that I wanted to replicate different areas of concrete and grass. Though I could have gone with one or the other, that didn't seem to be overly interesting, so I chose to have distinct areas of both. I also wanted to create a raised platform on which the dioramas would sit. I'm not

a fan of flat bases, so always try and raise things up towards the view, the extra work helping to create a more dynamic final result. As it turned out, that decision would have a welcome unintended consequence as we will now see...

Models all built, I drew my planned layout onto some paper and then set about posing the individual

items to see if I could find a balanced layout that I liked. With that done that to my satisfaction - almost - it became obvious that there would be a sizeable area around the bottom right-hand corner that I would need to fill. Not keen to use a load of random accessories, I decided that my raised base was deep enough that I could cut

away part of the corner and add a scenic area: you see, unintended consequence! It's almost like I plan these things! This comprised some brick walls, concrete floor and steel steps. All of these combined to create an interesting area that not only caught the eye, but also added a degree of depth otherwise missing on my original, flat base. ▶



Having slept on my idea, I decided to remove one of the V-1s and then crop that redundant corner down so that it was no longer an area for accessories to live in but instead, a part of the scenery. Not only did this allow me to build a pleasingly detailed part of the diorama, it created the illusion of depth, something not possible by using a simple, flat plate.



Having cut out the corner, it was rebuilt using flat plastic card sheet for the floor and embossed brick pattern sheet for the walls. The joints between the walls of the diorama and these new parts were carefully filled and sanded to create as smooth a finish as possible. The steps were made from Evergreen channelling and strips of plastic card. A rail would later be added using Evergreen plastic rod.



The concrete hardstanding was a simple rectangle of .5mm Styrofoam. Detail was scribed in with a pencil and the tip of a scalpel. Texture was added with a toothbrush, the bristles of which were pressed to the soft surface of the foam. Groundwork was then added using tile grout and silver sand, the latter held in place with diluted PVA glue



Happy with the shape of the groundwork, I applied some static grass and then the remnants of a destroyed, off-camera structure. VP bricks and rubble dust was used to create the detail around this part of the diorama. Once again, everything was soaked in dilute PVA and then left to dry overnight to set, rock hard



The rails are now in place, as is a small wooden box and further evidence of that destroyed building



Bf 109G-5 • Bf 109G-6

GUSTAV Pt.1

DUAL COMBO 1:72

Premiere of the Eduard new tool kit

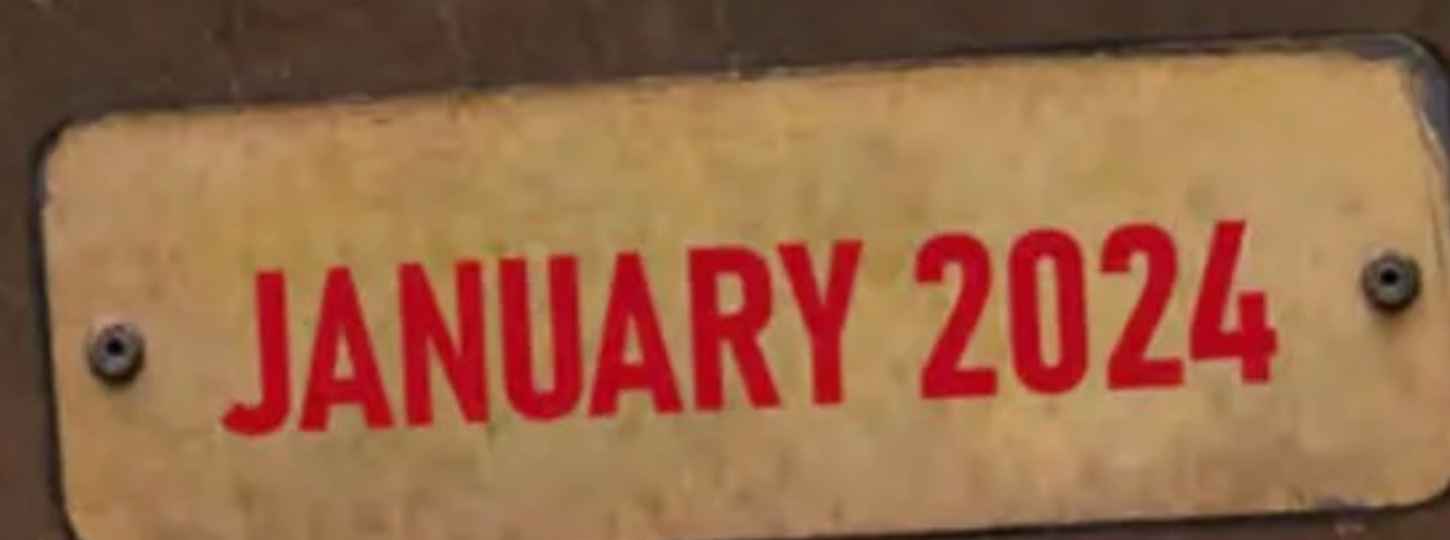
- The famous WWII fighter Bf 109G-5 and G-6 early version
- Pre-painted photo etched parts for the finest detail
- Die cut masks for easy painting
- Decals for 14 marking options



Bf 109G-5, WNr. 27119, Uffz. Gerhard Kroll, Ofw. Friedrich Ungar, Fw. Emil Hecker 9./JG 54, Ludwigsluft, Germany, February 1944



Bf 109G-5, WNr. 26082, Flg. Victor Widmaier, 7./JG 11, Oldenburg, Germany, October 1943



Bf 109G-5/U2, WNr. 27112, Maj. Walther Dahl, CO of III./JG 3, Bad Wörishofen, Germany, December 1943



Bf 109G-5, WNr. 110047, Ofw. Hanns-Werner Gross, 1./JG 300, Bonn-Hangelar, Germany, March 1944



Bf 109G-6 Trop, Oblt. Alfred Grislawski, CO of I./JG 50, Wiesbaden-Erbenheim, Germany, September 1943



Bf 109G-6, WNr. 18107, Uffz. Georg Amon, 7./JG 53, Torazzo, Sicily, June 1943



Bf 109G-6, WNr. 20272, Oblt. Heinrich Klöpfer, CO of 7./JG 1, Rheine, Germany, November 1943



Bf 109G-6, WNr. 19456, Oberst Hannes Trautloft, Stab General der Jagdflieger, the Soviet Union, August 1943



Bf 109G-6, WNr. 18502 or 18503, Hptm. Horst Carganico, CO of II./JG 5, Pskov-South, the Soviet Union, early 1944



Bf 109G-6, WNr. 163627, ylikersantti Leo Ahokas, 3/HLeLv 24, Lappeenranta, Finland, June 1944



Bf 109G-6, WNr. 163162, 2a Squadriglia, 2o Gruppo Caccia, Verona-Villafranca, Italy, October 1944



Bf 109G-6, WNr. 20499, Lt. Erich Hartmann, CO of 9./JG 52, New Zaporozhye, the Soviet Union, October 1943



Bf 109G-6 Trop, WNr. 27169, Fw. Heinrich Bartels, 11./JG 27, Kalamaki, Greece, November 1943



Bf 109G-6, WNr. 161742, Rtk. Rudolf Božik, Combined Flight, Slovak National Uprising, Tri Duby airfield, Slovakia, September 1944

FULL-BUILD: WORLD WAR 2 FLYING BOMB

TAMIYA 1:48 V-1 FIESELER FI103, WWII US ARMY INFANTRY AT REST ● KIT NOS.61052 32552



Close-up of the Styrofoam concrete pad. Once under paint, all of these disparate materials will start to come together

❶ THE STARS OF THE SHOW

One decision that was made early on was to limit the additional details to a vehicle, some figures and as little in the way of accessories as possible. Moving away from my Verlinden-inspired themes of recent years, I wanted to ape Shep Paine's work with this one, where the story took precedent over detail. With so much interest already being provided by the V-1s, I figured that I could tell the tale of a group of GIs who've happened upon a rocket site with little more than my chosen items. As it turned out, that proved to be the case, colours and textures around the scene adding the extra levels of interest that I was looking for without the need for anything that might look out of place.

To add life, I turned to another Tamiya kit, this time their 1:48 'WWII US Infantry At Rest' set. Though not specified on the box, this wonderful kit includes not only a scaled-down collection of infantry figures based on their classic Military Miniatures set released during the 1970s, but also a superb Jeep. Having been created using their ancient 1:35 set, detail on the figures is a little soft in places, but they sit look fine once assembled and painted. Also, because they are designed to work together, they do so in a most pleasing way in scenes such as this, little work being needed to create a coherent collection of figures.

The Jeep is excellent; detail is excellent and assembly, quick and easy. As the kit included a set



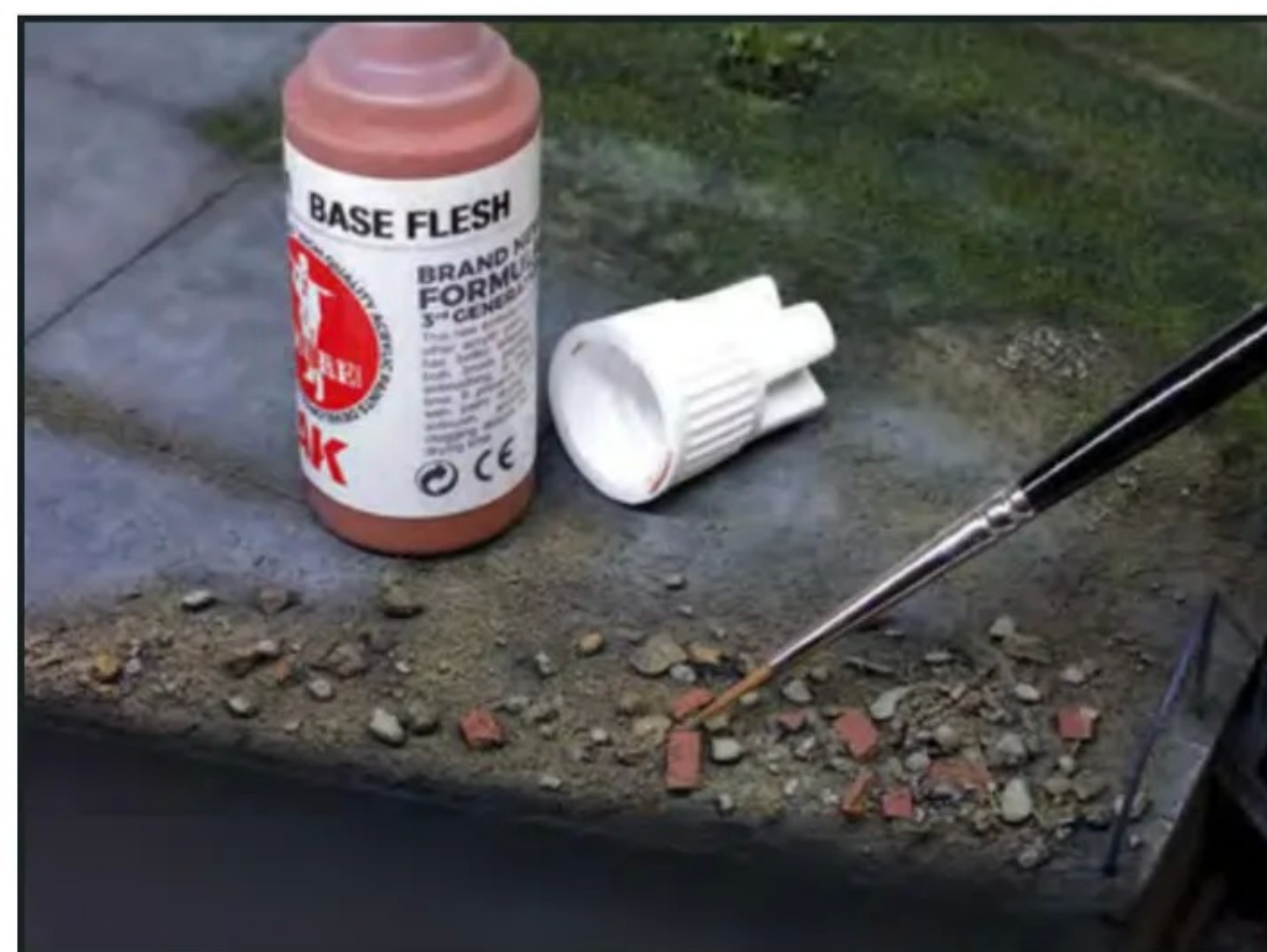
Before painting could begin, I sealed in the sides of the diorama and then settled the details onto the still soft groundwork to create a natural sit. Once dry, the sides would be sanded smooth and then the parts removed ready for painting. I prefer to do everything in one go, because it ensures that the colours and tones are balanced across the whole diorama. It also allows me to gauge highlights and shadows on all of the parts, so that they look like a unified collection one in place



Having sprayed the whole diorama with a layer of Flat Black car paint, then basic colours were airbrushed on. Concrete was sprayed with lightened shades of Medium Grey; the grass with Deep Green lightened with Yellow Green; groundwork and rubble with Red Brown darkened with Black followed a layer of Flat Earth and then the steps with German Grey



Stones were picked out with Lifecolor Green Stone...



...and bricks with AK 3G Base Flesh

of kit packs, rolled up tarpaulins and jerry cans, I decided to work with them to create a stowed jeep that's seen plenty of action. Some additional parts were also grabbed from the spares box and those, in combination with some Green Stuff tarpaulins, helped to create the busy appearance that you see in the accompanying images. A final touch was to add a wire cutter to the front of the vehicle and some superb jerry cans and their holders from the ever-impressive Hauler range. The resulting model was pleasingly detailed, despite its small size.



Groundwork was drybrushed with AK 3G Ochre Khaki to bring out the texture...



...before repeating the trick over the grass with Brownish Green



The corner in which the steps live was fun paint to paint, acrylics and oil colours working well to bring out the detail. AMMO's Streaking Grime, a very dark green colour helped to add the illusion of dirt around this dark, unloved part of the scene

The results of my work can be seen here: a diorama base where all the detail can be easily seen. I really like this style of painting and look forward to using it more over the coming months

FINAL THOUGHTS

This was a really fun project! I haven't really built too many dioramas in this scale, so the chance to have a go at one using kits that I had hitherto not built, was an opportunity not to be missed. Using simple kits, materials and techniques, scenes such as this are well-within the grasp of all modellers, so I really hope that you are inspired to have a go at something similar. Who knows, it may, open up a new world of possibilities that you'd not considered - how exciting is that! See you next time. ●



Alongside the trolley for the V-1 I used a spare frame, shortened and then glued back together, as the basis of this scratchbuilt trailer. Plastic card and some rod was used to create the bed and towing handle. The oil drums were from Tamiya's 'German Aircraft Power Supply Unit & Kettenkraftrad' set

Here's that little trailer in place on the diorama. It's simple details like this that I find fun during projects like this!



FULL-BUILD: WORLD WAR 2 FLYING BOMB

TAMIYA 1:48 V-1 FIESELER FI103, WWII US ARMY INFANTRY AT REST ● KIT NOS.61052 32552

TECHSPEC...

TAMIYA 1:48 V-1 (FIESELER FI103)
KIT NO.61052
TAMIYA 1:48 WWII US ARMY INFANTRY
AT REST KIT NO.32552

Materials:

Kits: Injection-moulded polystyrene, waterslide decals.
Diorama base: Foamboard, plastic card, Styrofoam, tile grout.

Paints used:

- Vallejo Acrylic: German Grey, London Grey, White, Black, Ice Yellow, Light Grey
- Tamiya Lacquer: Olive Drab, German Grey
- Tamiya Acrylic: Flat Black, Flat White, Neutral Grey, Dark Sea Grey, Sky Grey, Light Blue, RAF Dark Green, Yellow Green, Deep Green, Flat Earth, Red Brown, Khaki, Buff, Wooden Deck Tan, Dark Yellow, Desert Yellow.
- Mr. Color: GX Super Clear Gloss, GX Super Clear Flat, RLM65 Hellblau
- Citadel: Stormhost Silver, Iron Breaker
- AK 3G: Olive Drab, Rubber Black, Base Flesh, Forest Green, Light Green, earth Brown, US Field Drab, Ochre Khaki, Light Flesh, Highlight Flesh, Brownish Green
- LifeColor Acrylics: Green Stone
- AMMO by Mig Jimenez: Streaking Rust Effects, Dark Streaking Grime, Starship Wash.

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



Our first V-1 is now in place. Note how the lighter paintwork on the V-1 contrasts against the dark groundwork and trolley, helping to make it visually stand out. You don't want the star of the show to blend in too much with its surroundings and not be seen



Our forlorn second V-1, lies abandoned and all-but forgotten. Again, the model's slightly lighter finish contrasts against its lighter surroundings



Though this one is 1:48, has there ever been a more iconic figure and pose within Tamiya's range, than this US Infantry fella? I really don't think so!

And here it is, my completed diorama 'V for Vanquished'. Though this was a rather loose idea to begin with, the use of Tamiya's kits - many of them cheap and readily available - has resulted in a scene that I think shows what is possible in this scale. Hopefully, next year we will investigate the possibilities a little more. I can't wait!



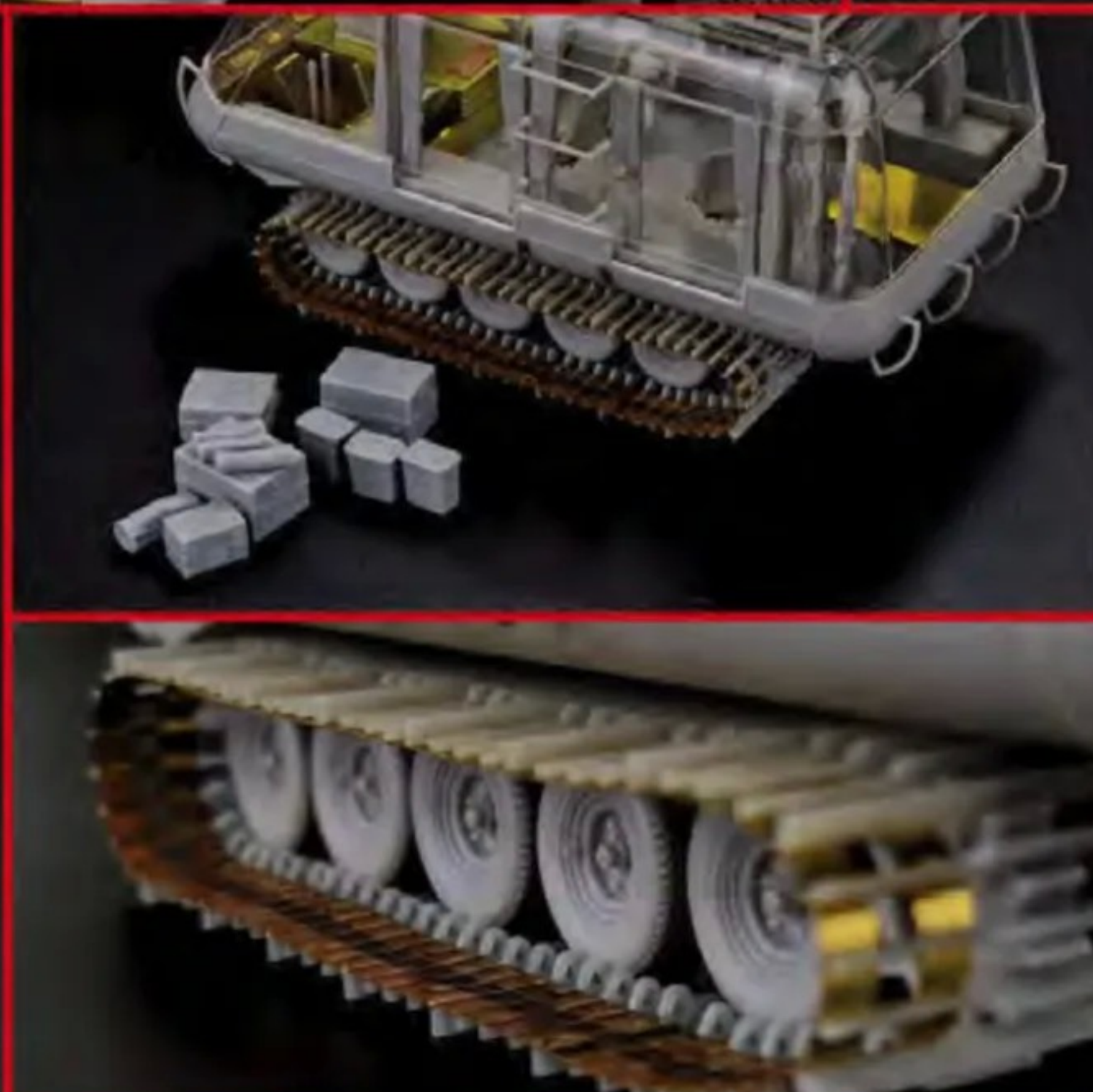


All figures were painted using AK 3G acrylics from their 'WWII & Modern US Colors' set. Though it's unusual to see figures on a diorama with their backs to the viewer, I think that works really well here, these two chaps being deep in conversation as they examine these fearsome weapons

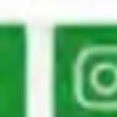


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NEWS 3/2023

VAILLANT

ENDEAVOUR *Part two*

Robert Riley's superdetailing and enhancement of Tamiya's classic 1:12 Kremer Porsche 934 'Vaillant' continues with the chassis, suspension and fuel tank...

As there was so much more to show you with this model, we decided to run the article across three issues, not two as initially planned, so here is the second instalment covering the chassis, suspension and fuel tank! There is lots to do in these areas, so planning here is key. Lots of test-fitting of body parts throughout threw up some interesting areas to be aware of, such as the large rear panel shelf in the fuel bay which has many gaps that will need filling, the lower battery/oil shelf needs sealing in, both rear seat edges of the interior have large gaps along with the rear seat panel itself which again needs filling and sealing in, engine bay lower panels will need attention with join lines along with the main rear suspension bar. The required work to gain the ideal clean finish in all areas is very time consuming, with lots of modelling techniques used along the way and a good dose of patience. Doing the work was more fun than it sounded because it gave me the chance to stretch out those modelling fingers and put the skills to the test. ▶







There aren't many main chassis components, but there are several key areas that will need attention at this early stage so it's a good place to start your prepping



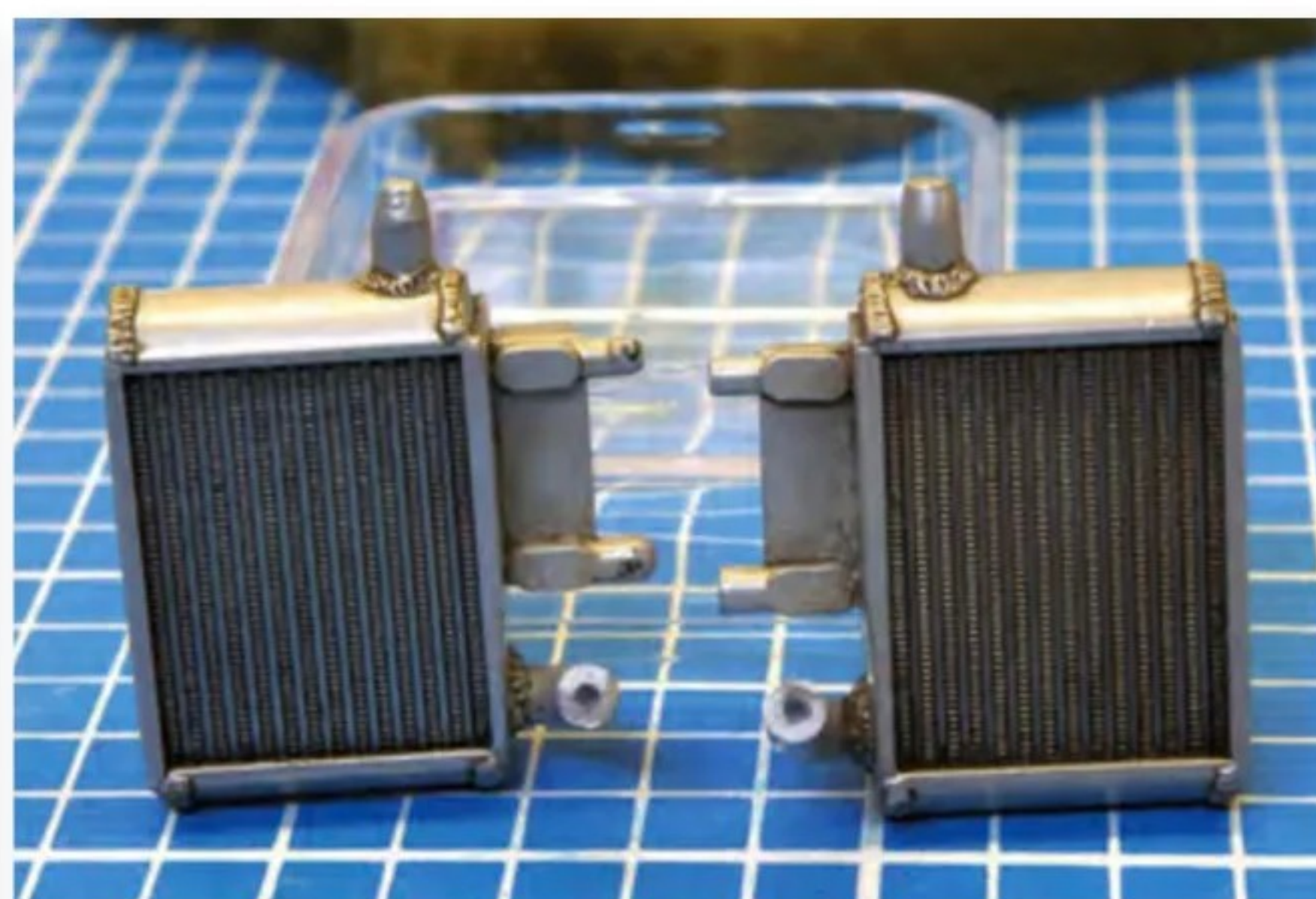
Front compartment after tidying up with the main firewall set in place. Gaps were sealed up along with some other alterations



There are several key areas along the sides of the rear seats that are moulded with large gaps. According to reference, these will need filling in and levelling off



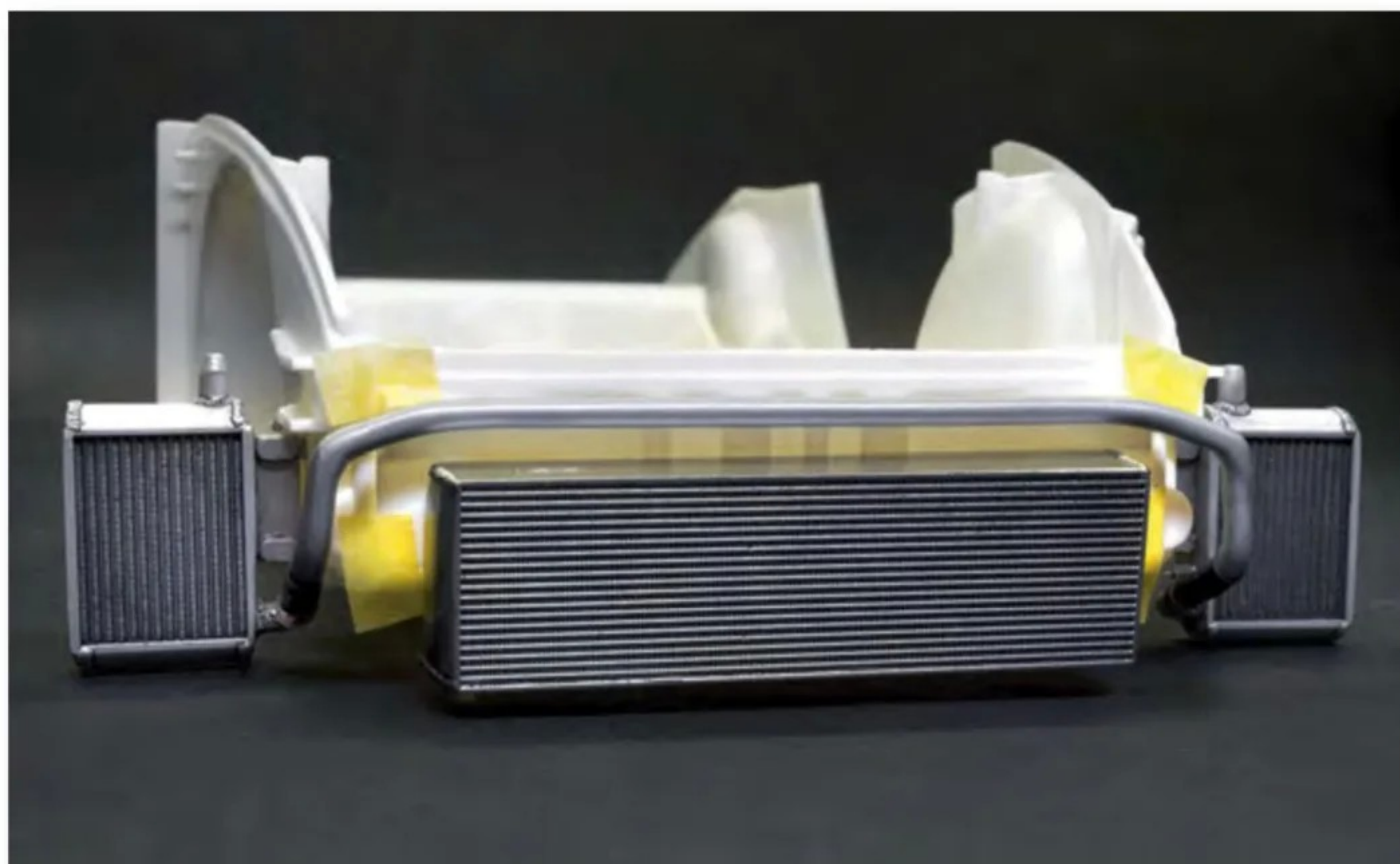
Adapting the lower front radiators to take the new transfer pipe. This is mirrored on the other side so they both can be connected



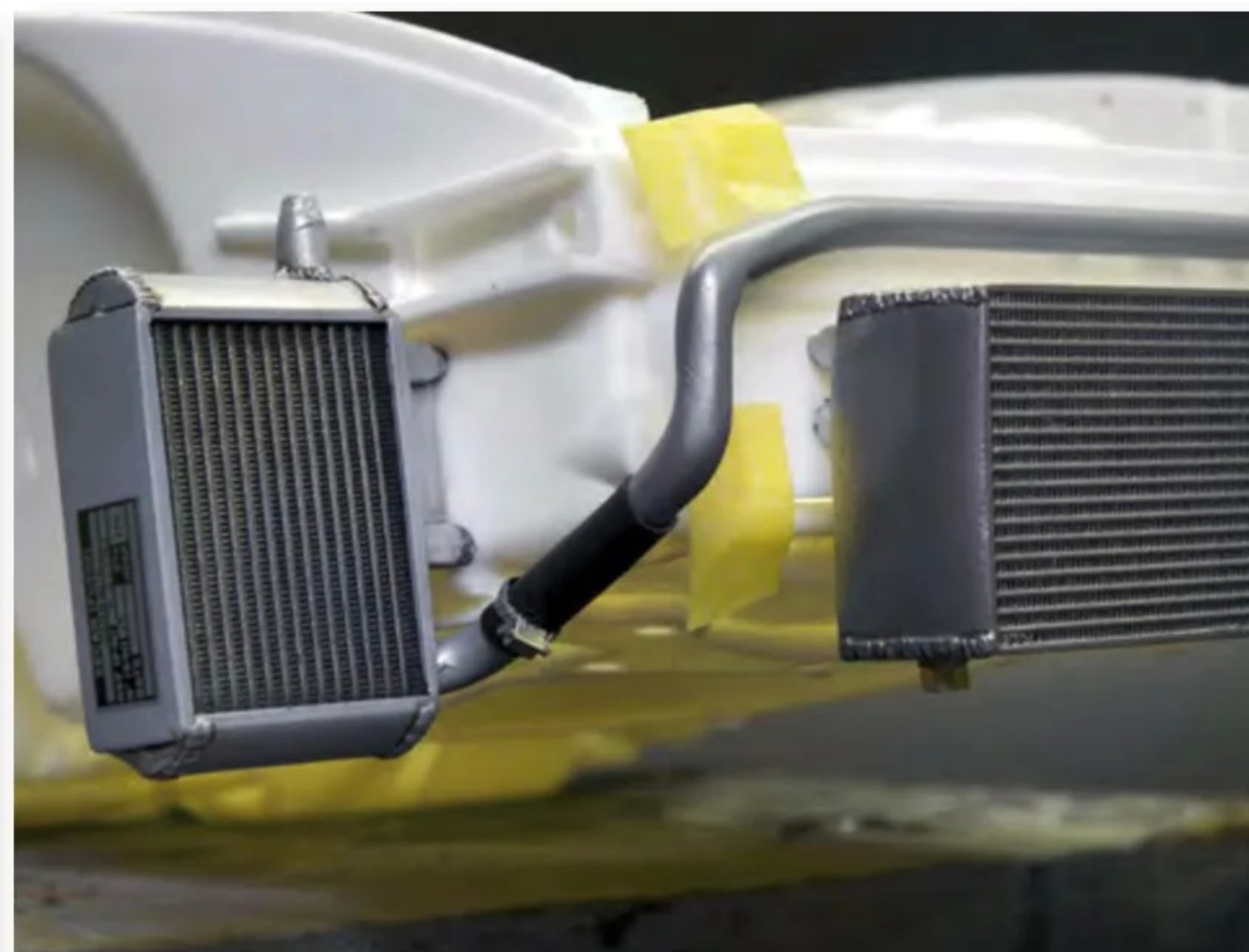
The welding detail was added using shaped two-part epoxy and both were painted and then weathered accordingly



The large oil cooling radiator was reworked by shrinking the main box stock part down, squaring it off then Scalelab24 photo-etched surface detail added and a drain plug to finish off the look



A dry fit of the completed radiator components including the new transfer pipe shows things are moving along nicely and everything is located in the right place



The unit information markings on the outside edge of the radiator are aftermarket decals from BBK. I thought they'd add a touch of realism and interest

❶ The main modification I made was to the front end, side-mounted radiators. The system requires the water to travel up one side of the car, through each small radiator and back down the other side to return to the intercooling system at the rear. They are linked together via a central pipe which is not supplied in the box so a new one must be made - sounds simple, but really it wasn't. Firstly, this required each radiator to have a lower pipe extension crafted onto them

at specific angles according to real references. The main centre pipe was made using a styrene tube heated up and bent to shape. This had to exit the lower rad, follow the contours around the front panel, flow above and along the main large oil cooling radiator and down the other side mirroring the other half. Not only that, it needed to be all in one piece, secured into place safely without hindering any surrounding body panels and fit snugly into the main bodywork to

look like it was always meant to be there. Once complete, this was very rewarding as now the cooling system is linked and all parts can be detailed to taste.

A TOUCH OF COBALT

The moment of truth was here, all the panel prep work was complete. This had been a lengthy process of filler, primer, sand - filler, primer sand and so on and so on until the desired point was reached. So getting to the anticipated main

colour work was a relief. Zero Paints offer up the colour-matched 'Vaillant Green' Cobalt colour in a handy large 60ml jar. This will be enough to paint the whole car inside and out, bodysell included. They also offer a smaller 30ml jar ideal for 1:24 versions, so if you are choosing what to use, make sure you order the right size!

The Vaillant Green was applied in several light build layers to the whole chassis until a solid uniform level



Zero paints colour matched Vaillant green is the order of the day. A 60ml jar should be enough for you to cover the whole car, inside and out



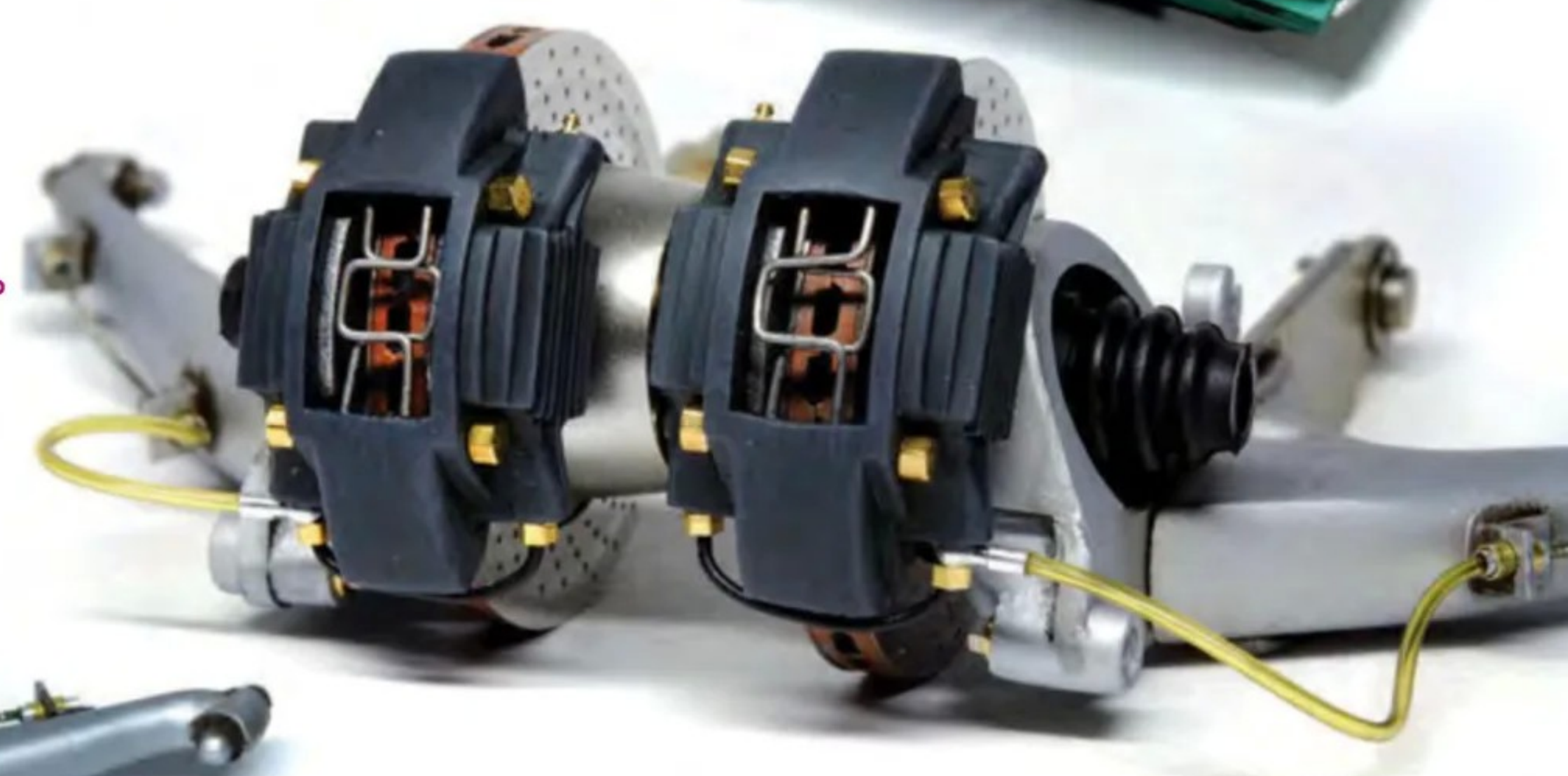
Once the whole chassis was airbrushed and to keep the finish neutral. Tamiya's Clear (semi-gloss) sealed all the colour work on



There are only two main colour changes to apply on the chassis, semi-gloss black for the interior and the Vaillant green for anything else. I worked the green first, masked it over and went in with the black



To make the colour work easier in the front compartment, the battery and oil tank shelf was fitted afterwards. This was sealed with epoxy welding and airbrushed in green



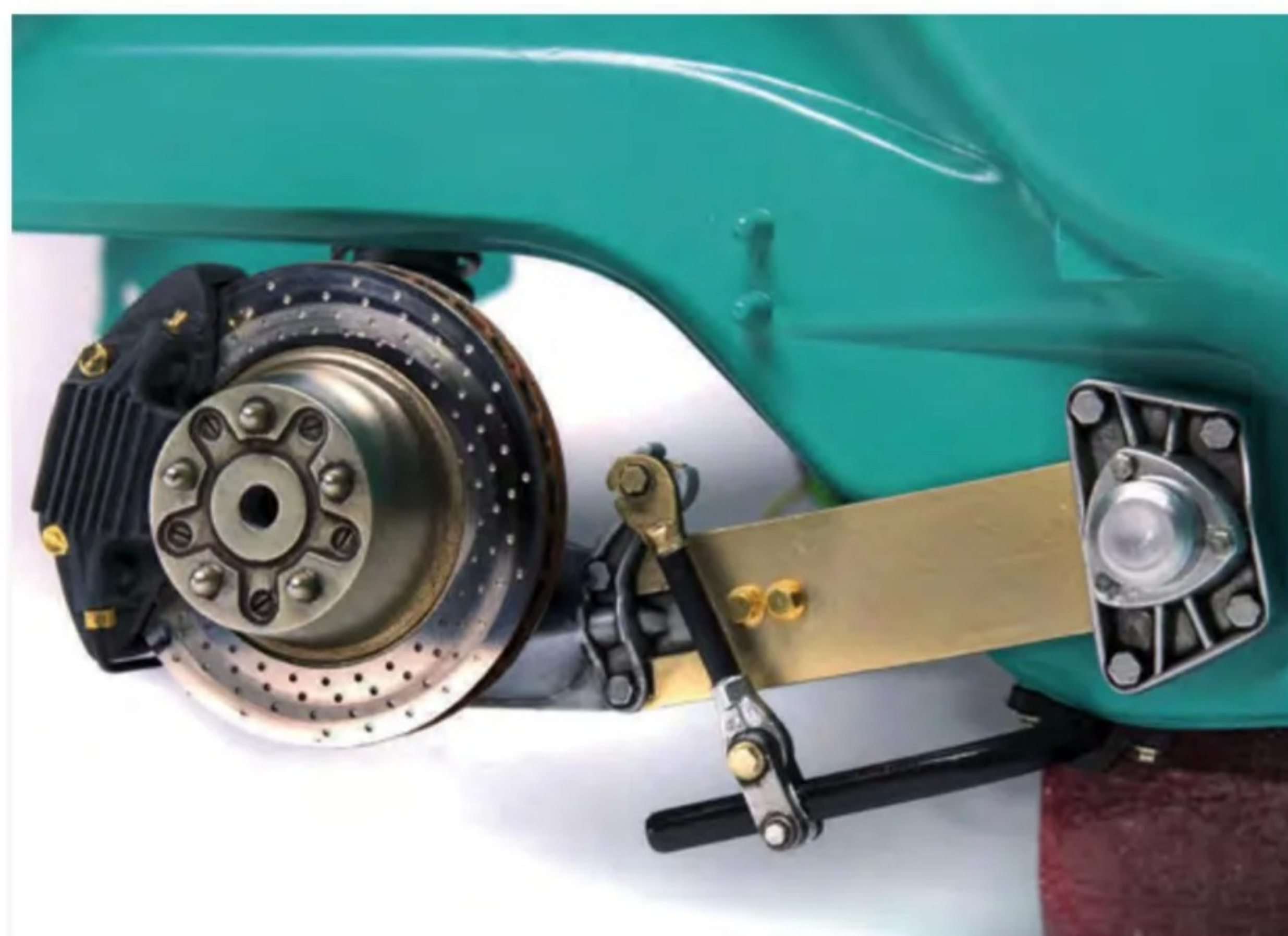
Rear brake detail. This was a fun area to work on and enhance. Brake lines were added, calliper detailing and new brake pad retaining clips shaped made to finish the look



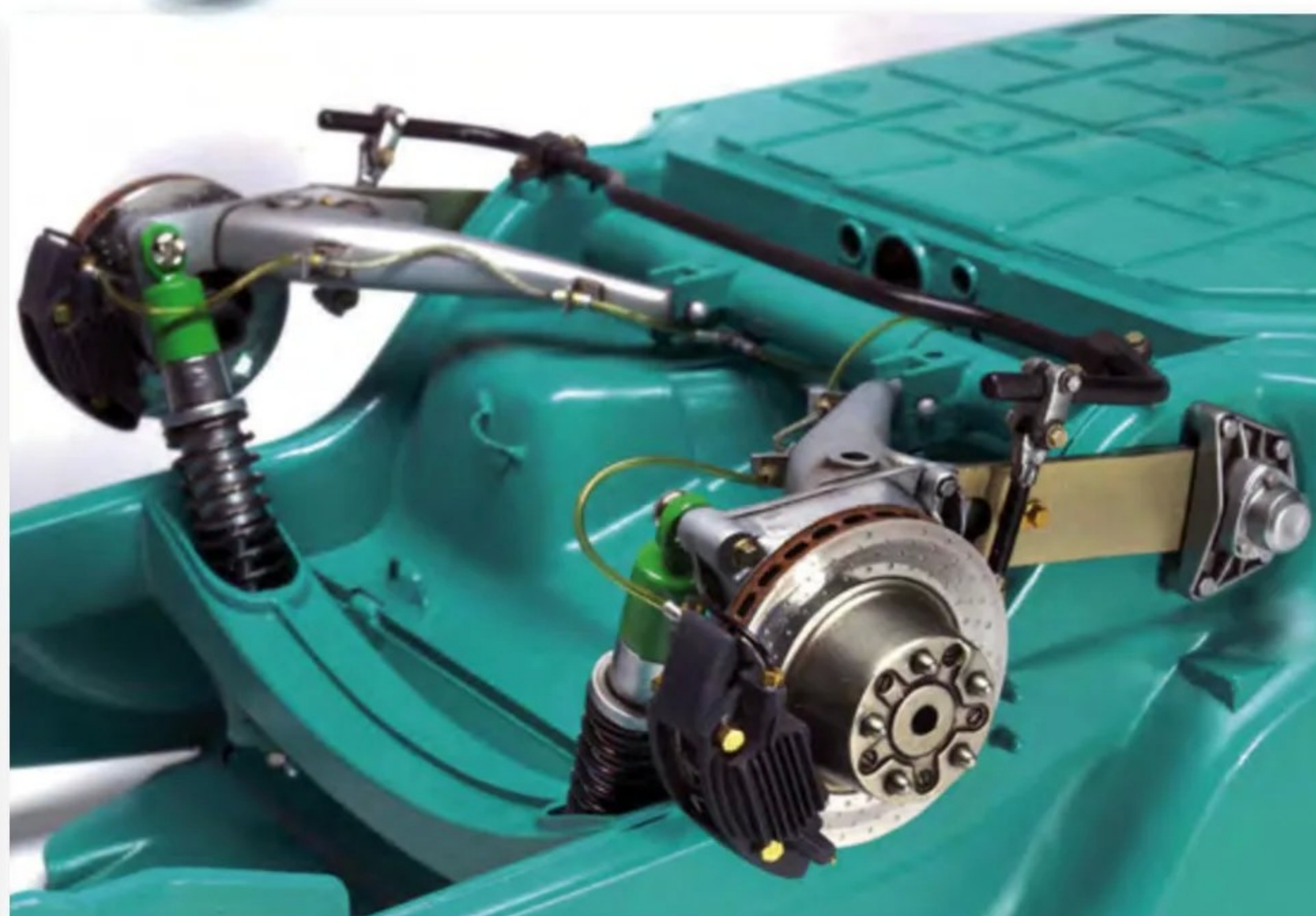
For most of the mechanical parts, using references I went my own route with colour work. This rear trailing arm was no exception and looks great for it

SUSPENSION BRIDGE

In order for the following steps to take place, the lower running gear needs to be built up. That includes the suspension and braking



Once the trailing arm was in place, the colour choices against the body contrast each other nicely



With the lower suspension set in place, this is where things really start coming together. Detailing this area before the engine is added will make things a lot easier in the long run

① systems. Nothing too complicated here, apart from to ensure when the shock absorbers are built up, they are measured correctly in height according to the direction in the instructions or to your specific taste. All areas that require it will be plumbed in with added banjo fittings, braided hosing, brake lines and other visual enhancements.

The main upgrade for me was to rework each brake calliper, the details were enhanced with added brake bleed nipples, self-made brake pads and brake pad retaining clips similar to the references I had. The retaining clips were pretty fiddly to make but worth the work in the end to complete the look. Scalelab24 offer a really nice brake disc set with 3D printed centre hub upgrade in their pack, but because I'd be using different wheels I couldn't use them. Nonetheless, I built them up anyway for display purposes because they were just too good not to. Instead, I opted for Tamiya's box-supplied brake discs using their included PE disc face parts to enhance them further, even these old moulded items still came out superb and really did look the part. I didn't really follow the instructed colour guide, instead opting for my own route using the many references I had, plus a little artistic license of course. You just can't beat the real deal right?



Whilst the engine compartment looks to be quite spacious from this angle, once everything is located and plumbed in it will soon fill up



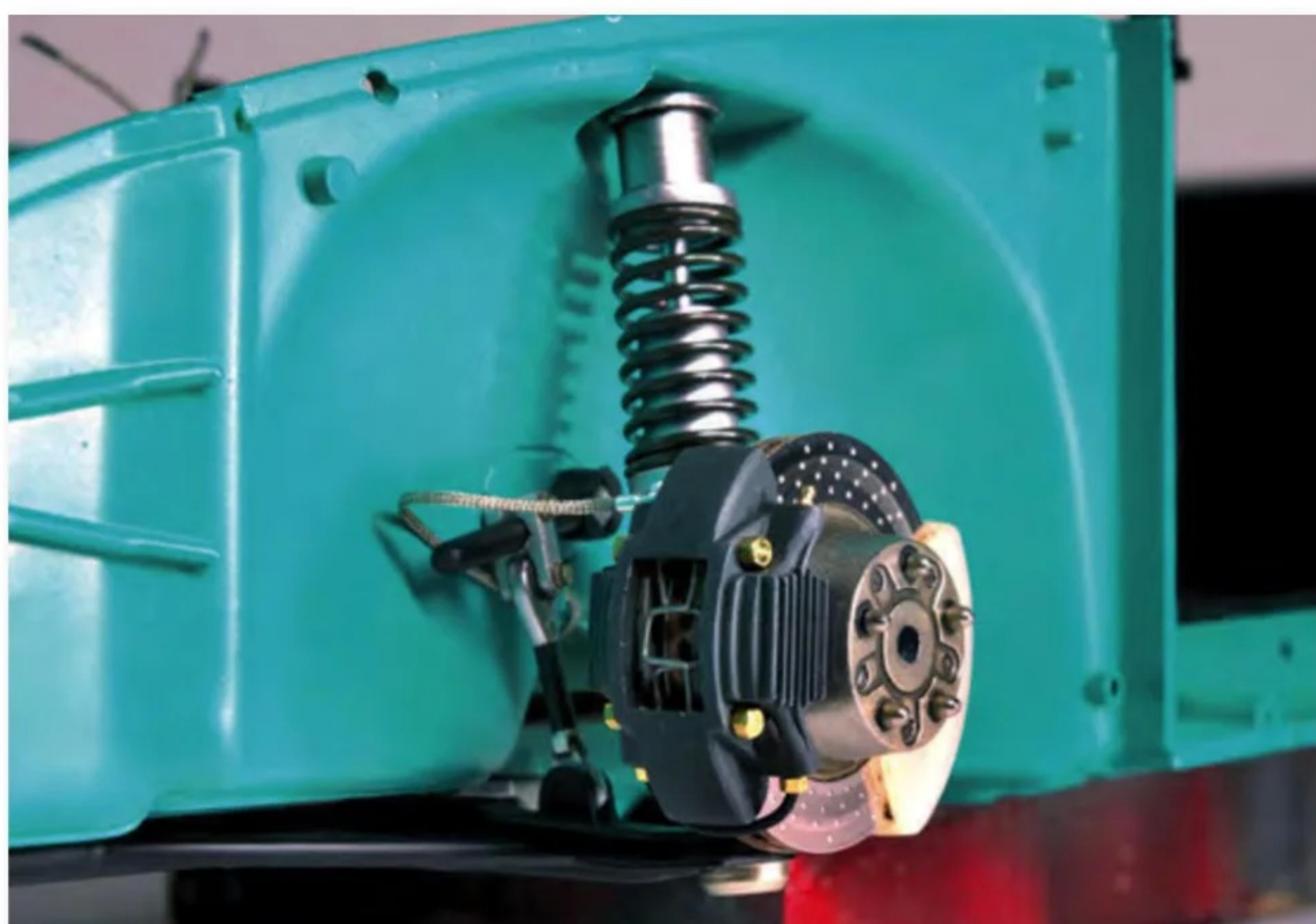
The beauty of this model once completed, all your model work will still be visible. So going that little bit extra if you so wish will totally be worth it



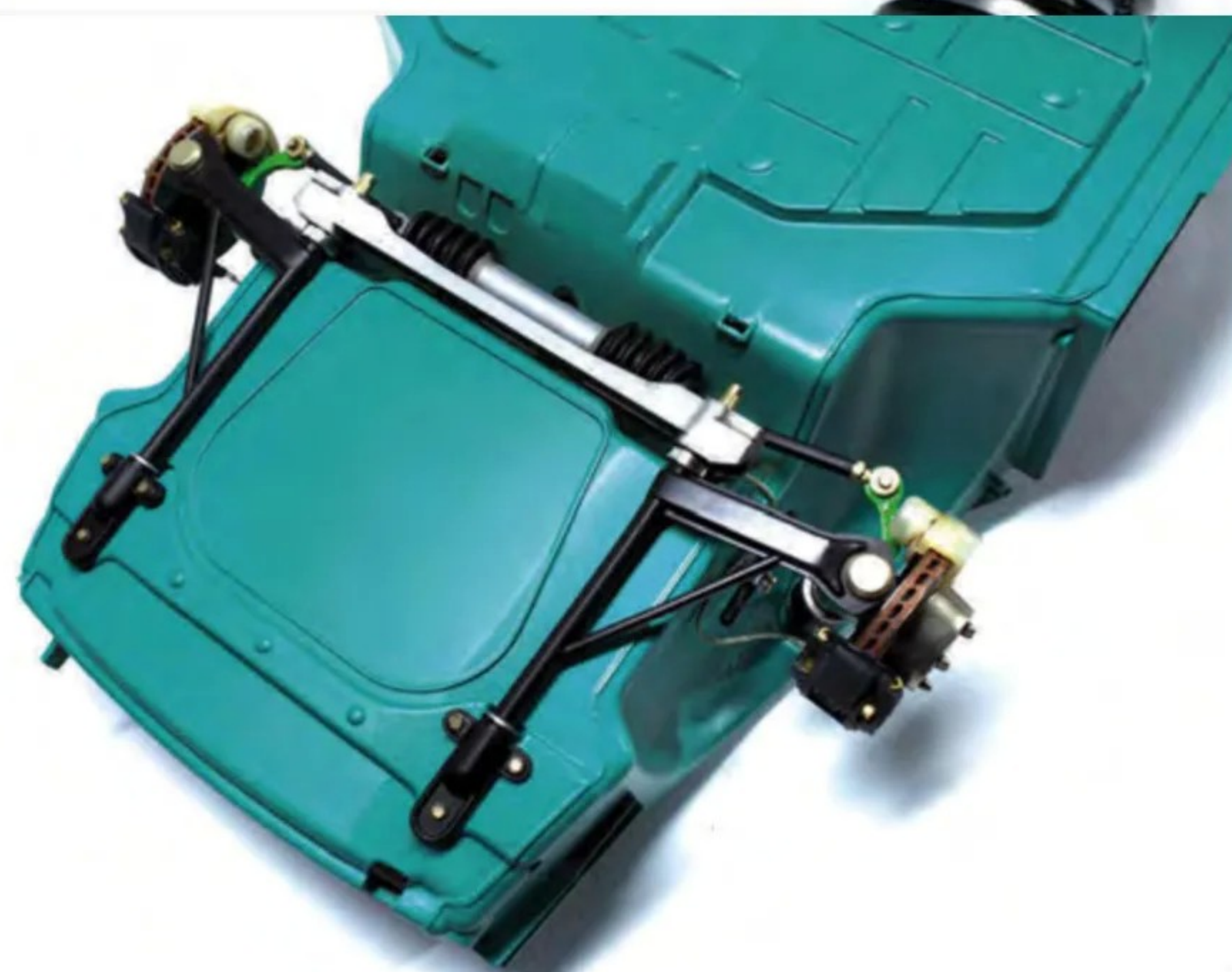
Front suspension and brake equipment detailing, painted using a mixture of Tamiya and Mr Color lacquer paints



Just like the rear brake system, many details were added to enhance the final look. The brake disc edges were given a light colour mixture of rust to represent oxidation



Once the front steering and suspension set up was finally located, all the respective areas were plumbed in with hosing and braided lines



The whole front steering and suspension set up assembly is pretty straightforward. Just make sure the height of your shock absorbers are measured correctly before final build



FILLING IN THE FRONT END

The front of the car is another really interesting place to work on as it houses the large, 120-litre fuel tank, a large oil tank, fire safety systems, electrical components, fluid bottles, braided hosing, wiring, cabling and lots of other important mechanical parts. I'd amassed a vast amount of reference material – including schematics – to really nail the detailing here, so was hugely looking forward to the challenge. Each area was worked carefully and steadily paying attention to the next move after each upgrade.

The fire extinguisher was reworked and enhanced, the main battery was reworked and modernised, the brake master pumps were upgraded and enhanced, fuse box detailing was upgraded and cars heater system upgraded to. The oil tank was stripped of its box supplied chrome, fixed together and cleaned up. Two-part epoxy filler was rolled together in very thin strips and applied around the edges according to references then shaped to look like weld lines. Whilst we're on the subject of weld lines, these were applied in many areas around the cars external parts, internal parts and many mechanical components using the same two-part epoxy method. The oil tank was enhanced further using A/N fittings so the various hosing could be affixed and later routed to their specific locations. ▶



Front compartment. A dry fit of all components checking for location, fit and to get a mental picture of how all the enhancements will sit and in what order



The fuel cell comes in two halves, so they'll need joining and the seems tidying up



The real cell is made of fibreglass and is wrapped around the actual tank. To mimic the material finish, solvent thinner was stippled all over



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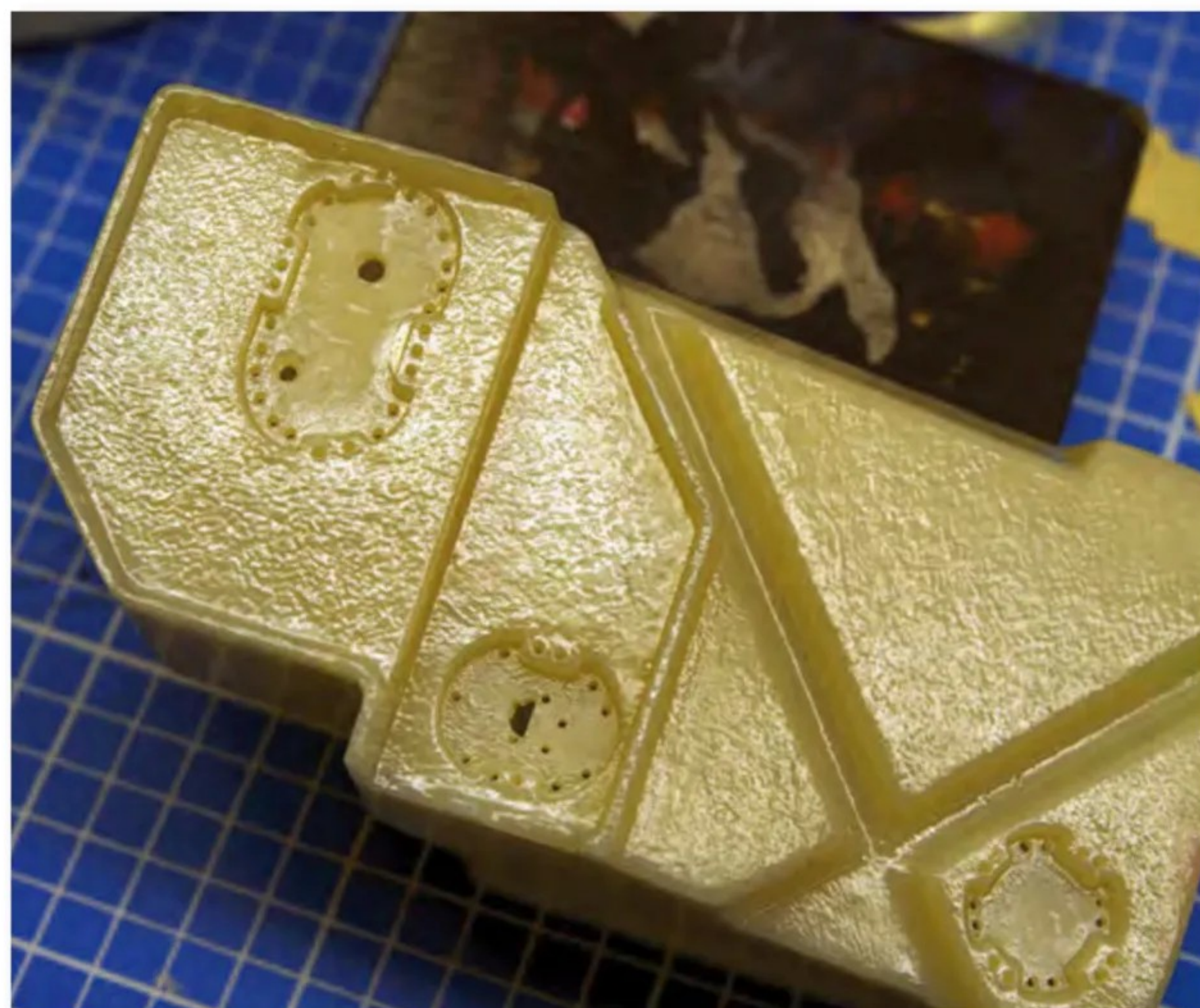
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● THAT BIG FUEL TANK

The 120-litre fuel cell is almost a project in itself. The fibreglass shell we see in all 934's is actually an outer protective shell for the tank itself, so seeing fuel through here would probably mean you have issues! Both halves were fixed together and the seam lines cleaned up as best I could. In reality, the fibreglass is wrapped around the cell and then secured into place with nuts and bolts. So to replicate this, several holes were drilled out ready to take more excellent Prime-Miniatures machined hex bolt and nut sets accordingly.

Scalelab24 supplies

photo-etched and 3D printed parts in the detail set for the fuel cell but I wasn't happy with the final look of them, plus the 3D printed parts were a bit coarse. So instead, I reworked what is supplied in the kit by replacing the bolt detail with real ones, reworking the fuel caps and adding in some lovely Decalca's A/N fittings. To attain the fibre-glass look, I adopted the same solvent brush method used on the 'engine tin' and components (last issue). There was a lot more area to cover so took my time and worked each panel side carefully. Again I used light colour passes with the airbrush going heavier in some areas, but this



The result after several passes with the brush in all directions, all over the cell



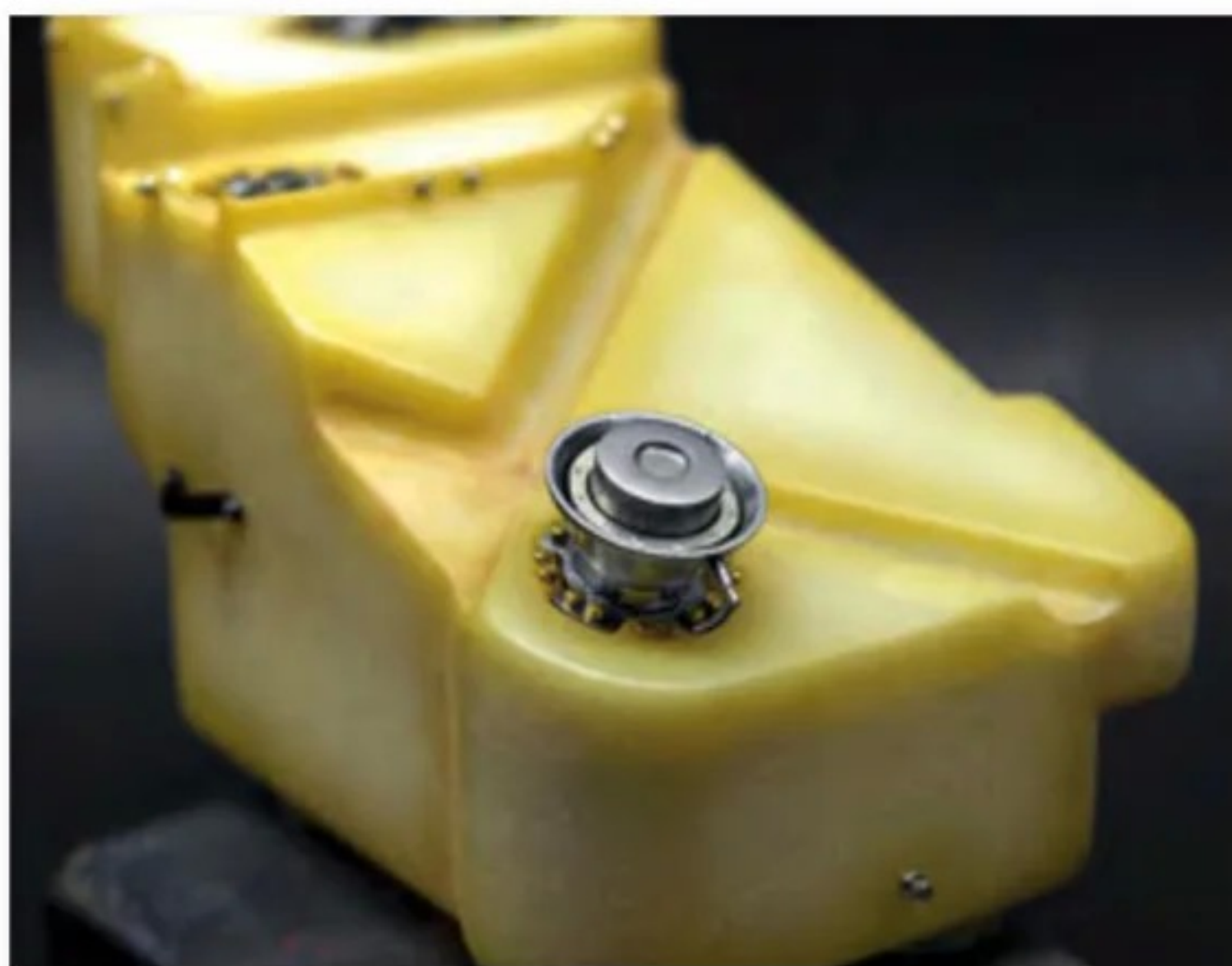
After careful consideration and advice from fellow modellers, my colour choices to represent the final outcome and weathering were made. I applied this colour method on all fibreglass parts to keep the look consistent

I was really pleased with how the cell work came out, this is a large focal point in the front compartment. So I felt it an important area to represent well

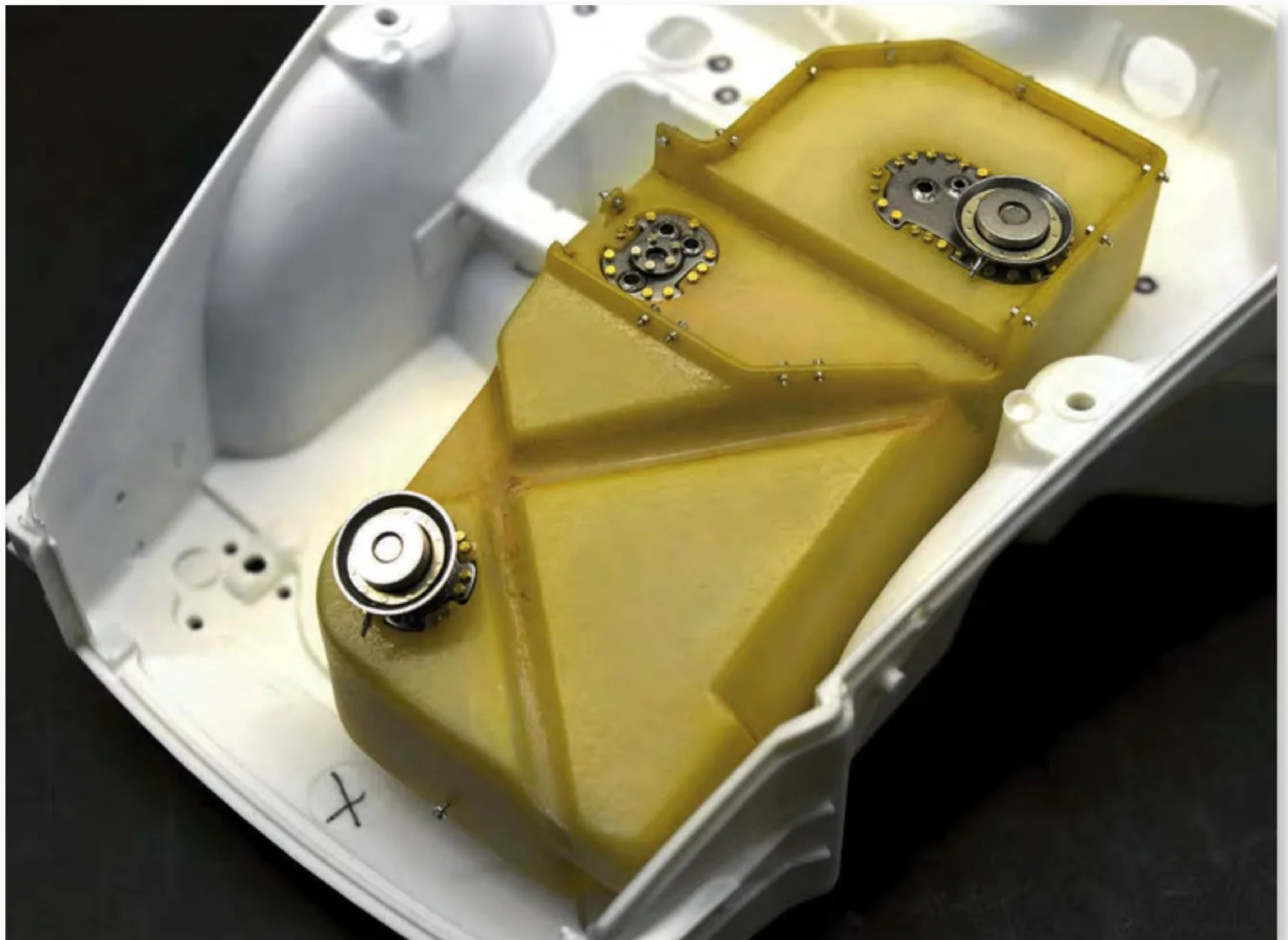




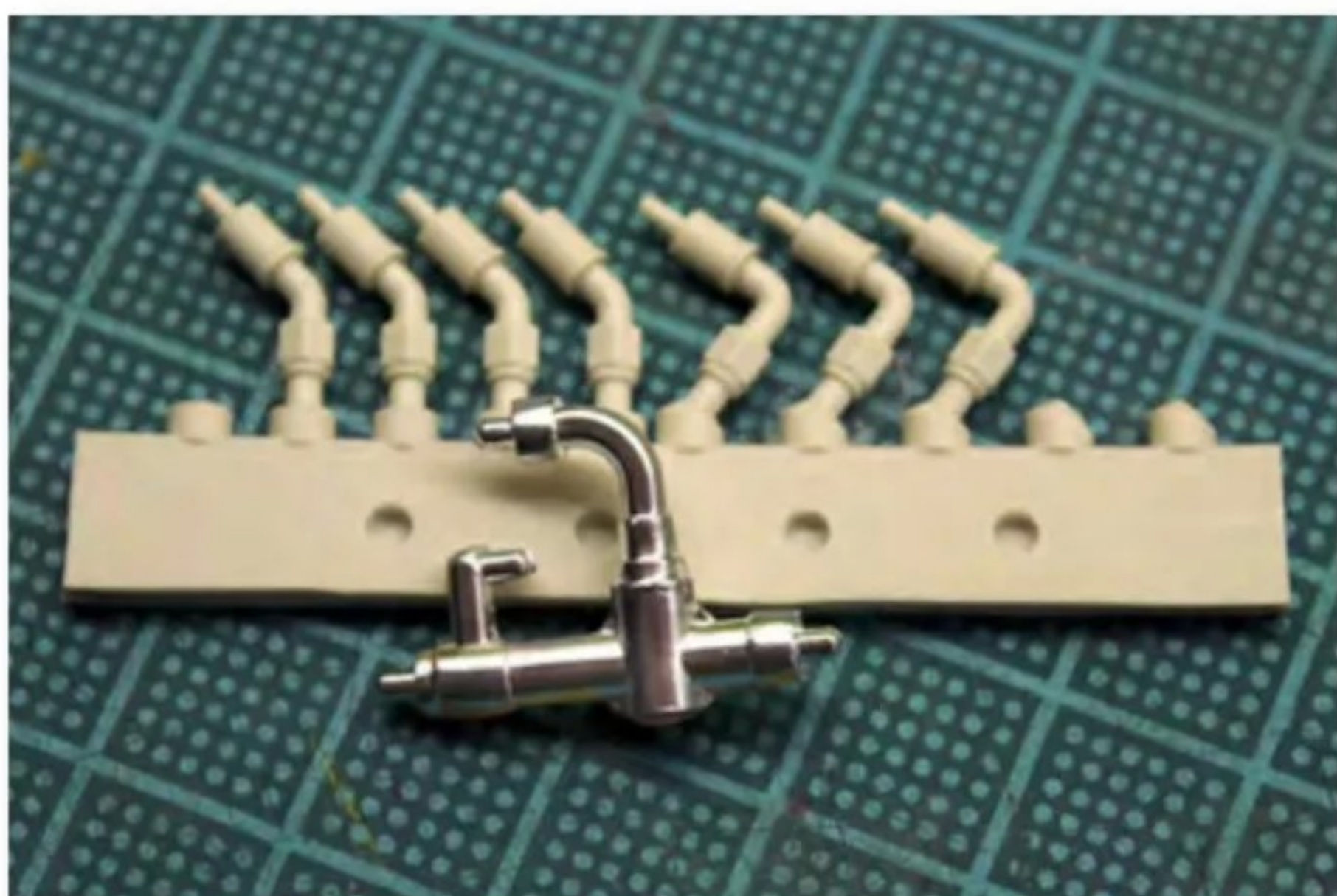
To finish up the cell are the reworked fuel caps. These were box stock items reworked with etch parts from the Scalelab24 pack and some self-work



Further detailing around cell included the use of many threaded nuts and bolts, an fittings and further colour shading



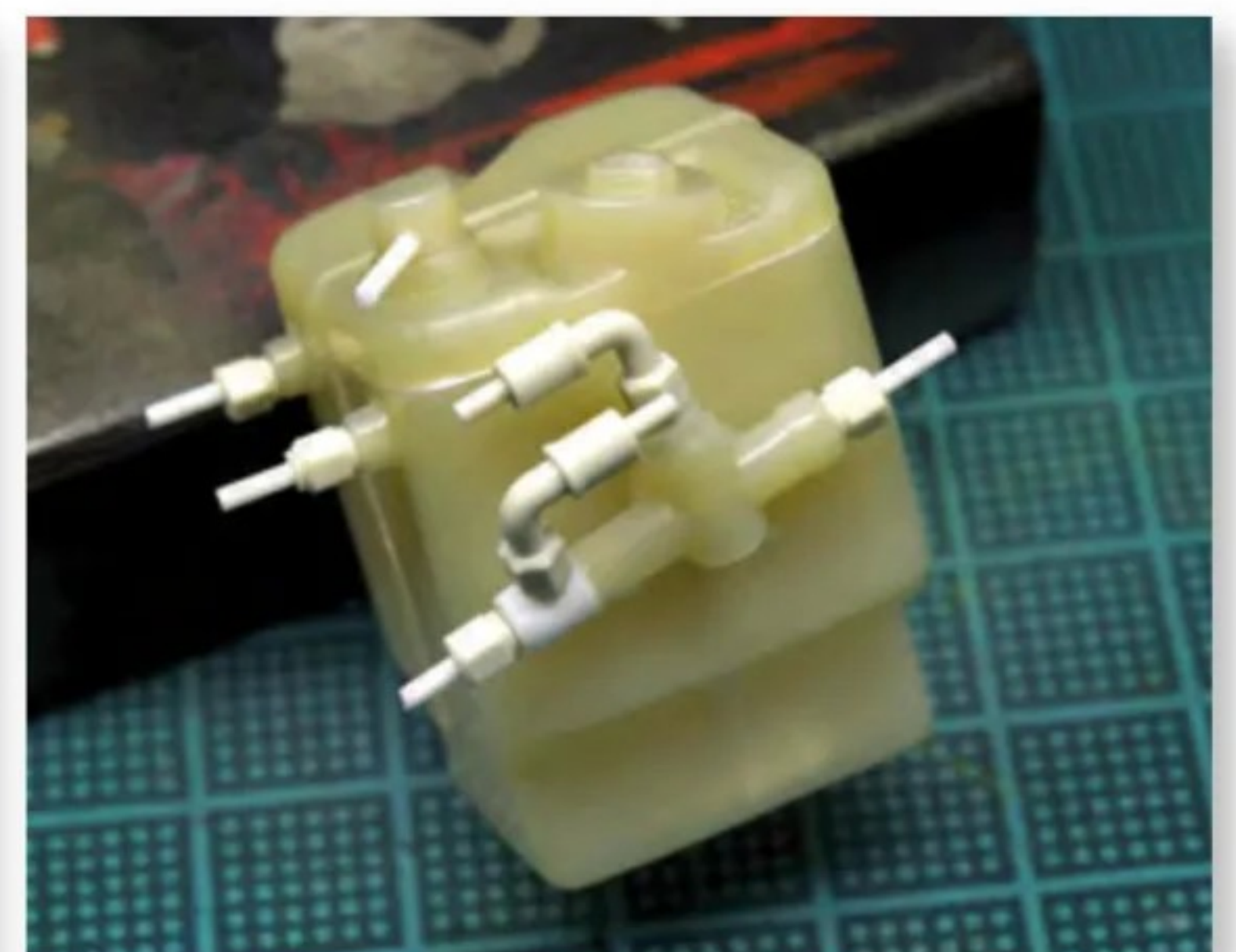
A dry fit to check out the final look and also because, I just couldn't help myself shows things are moving in the right direction



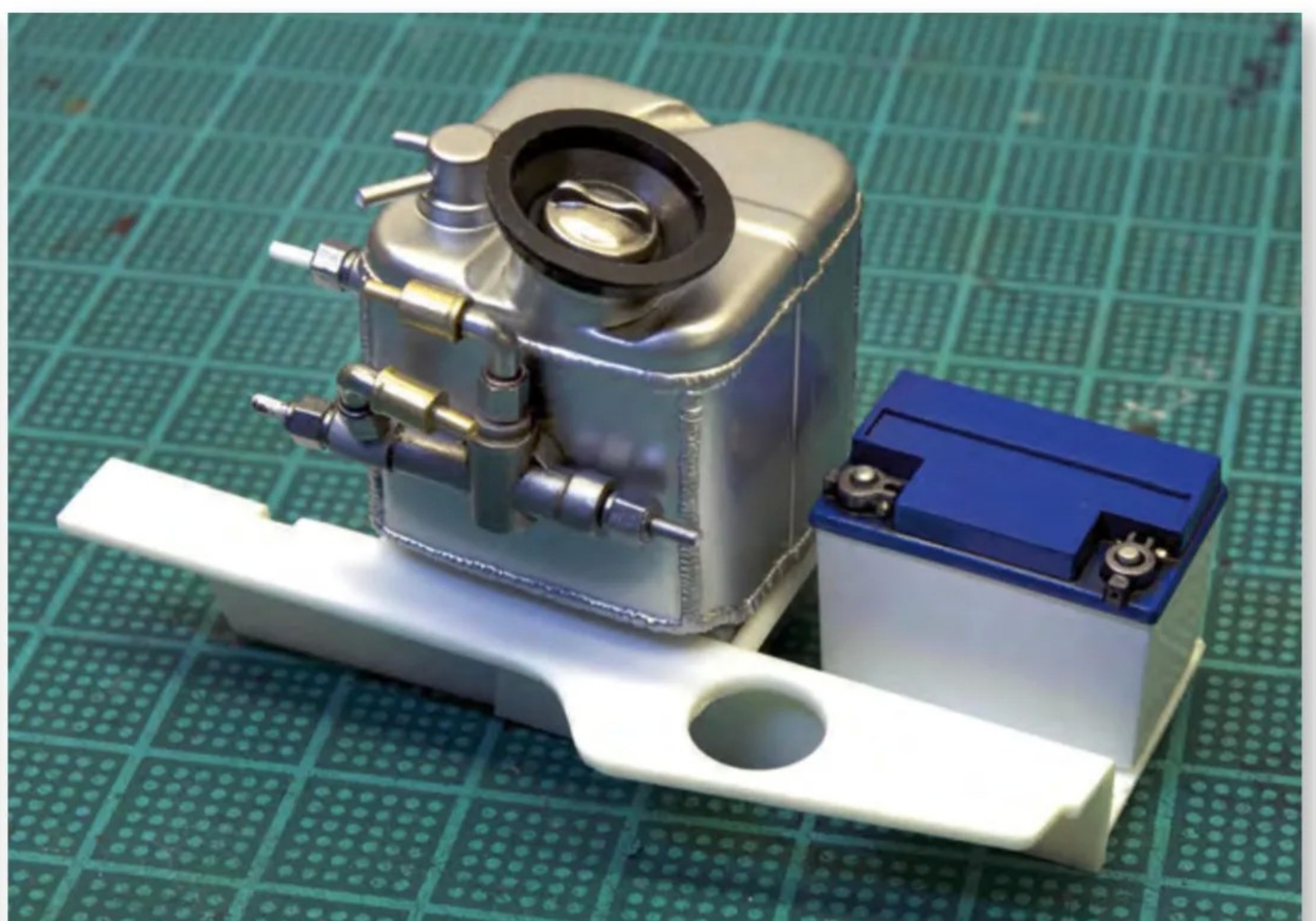
Reworking the oil tank details begin with the high pressure hose connectors from top studio. These are quite large items on the real tank as they have to transfer a lot of oil



The completed high pressure hose junction. This will be mounted to the side of the tank



The main oil tank comes in three parts, they'll need fixing together and tidying up. It will be detailed further with more connectors, welding and given a polished aluminium colour



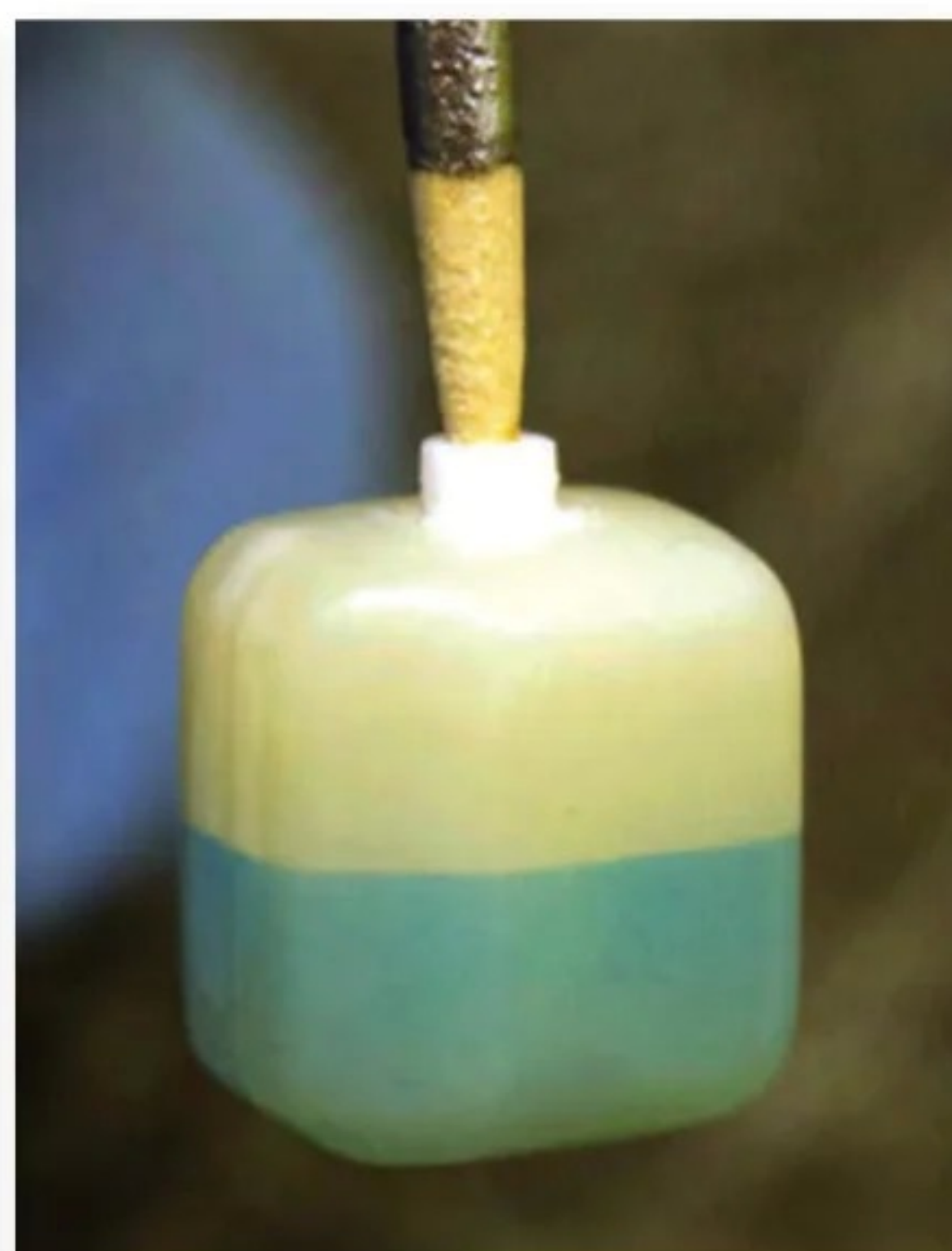
The final outcome after all the work has given this area a new lease of life. This is another busy focal point with lots of detailing added so will sit nicely into the front compartment. Above right, a trial fit of the battery and oil tank shelf prior to final installation



Another section of the front compartment is the windshield washer fluid bottle. Tamiya's Clear Blue was airbrushed in light layers to represent the contained liquid



The masking tape wrapped around the bottle gives a clear liquid line during the process



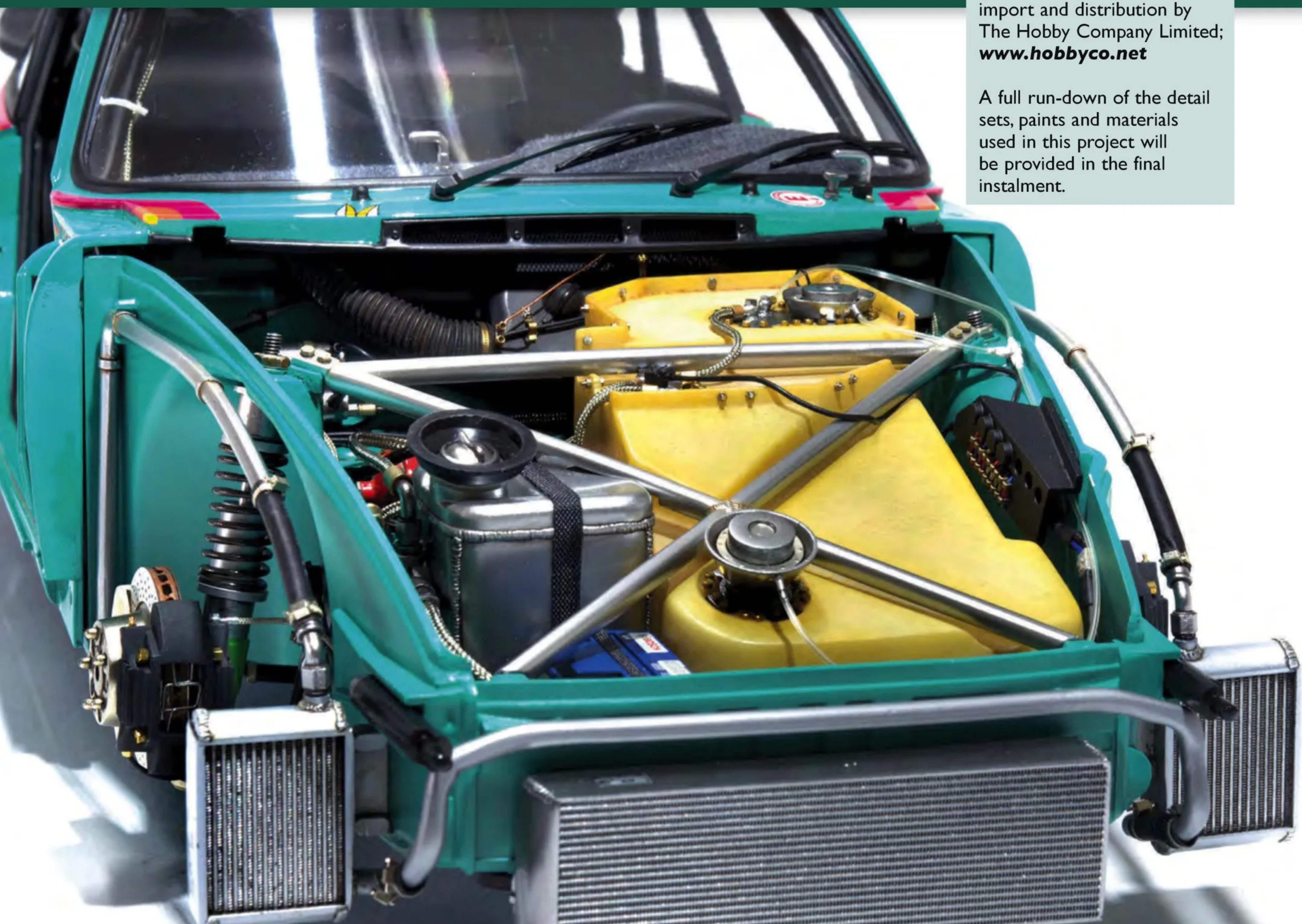
It was easy to go to heavy in this process so my best advice is to hold restraint and go steady on application. Afterwards I airbrushed white lightly over the top to knock the finish back

time I went for Tamiya's Dark Yellow (XF-60), Clear Orange (X-26) for shading and colour depth followed by the use of 'Lifecolor's dry paint pigments for shading and mild weathering. Tamiya's Brown panel liner was applied sparingly to represent mild dirt build-up. To finish the area, brass nuts and bolts were added, fuel cell entry details were affixed into place other small details added for plumbing later. See you again next issue! ●

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

A full run-down of the detail sets, paints and materials used in this project will be provided in the final instalment.



NEXT TIME

The big Porsche build continues with the bodywork, decals, cabin and wheels...

www.creativemodels.co.uk

Model by Wayne Hui

Model by Jeremy Moore

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New Releases

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

DEF MODEL, KOREA

www.defmodel.com

DEF Model have had a very productive period lately and we are lagging a little with reviews of the new items. Recent arrivals at TMMI include two wheel/tyres sets and two up-armour sets for the M4A3 Sherman in 1:35. The Republic of Korea Army K311A1 is a 1/4 ton utility truck and here we have some beautifully detailed replacement wheels for it in 1:35, with DEF's trademark weighted appearance included. In a similar vein, we have a set of five (including spare) wheels and tyres for the US M1151 HMMWV 'HUMVEE', as nicely done as ever.

Changing eras, we have a pair of improvised frontal armour sets for the M4A3, one formed from sandbags and the other, concrete over sandbags. The sets were created for Zvezda's newest M4A3 (3676) but can be used on other brands' Shermans. Flawless resin castings and excellent detail.

1:35 resin detail sets

- ROK K311A1 (KM450) Sagged wheel set (DW35154)
- US M1151 HMMWV BFGR Sagged wheel set (DW35158)
- US M4A3 Sherman concrete front armour (DM35122)
- US M4A3 Sherman sandbag front armour (DM35121)

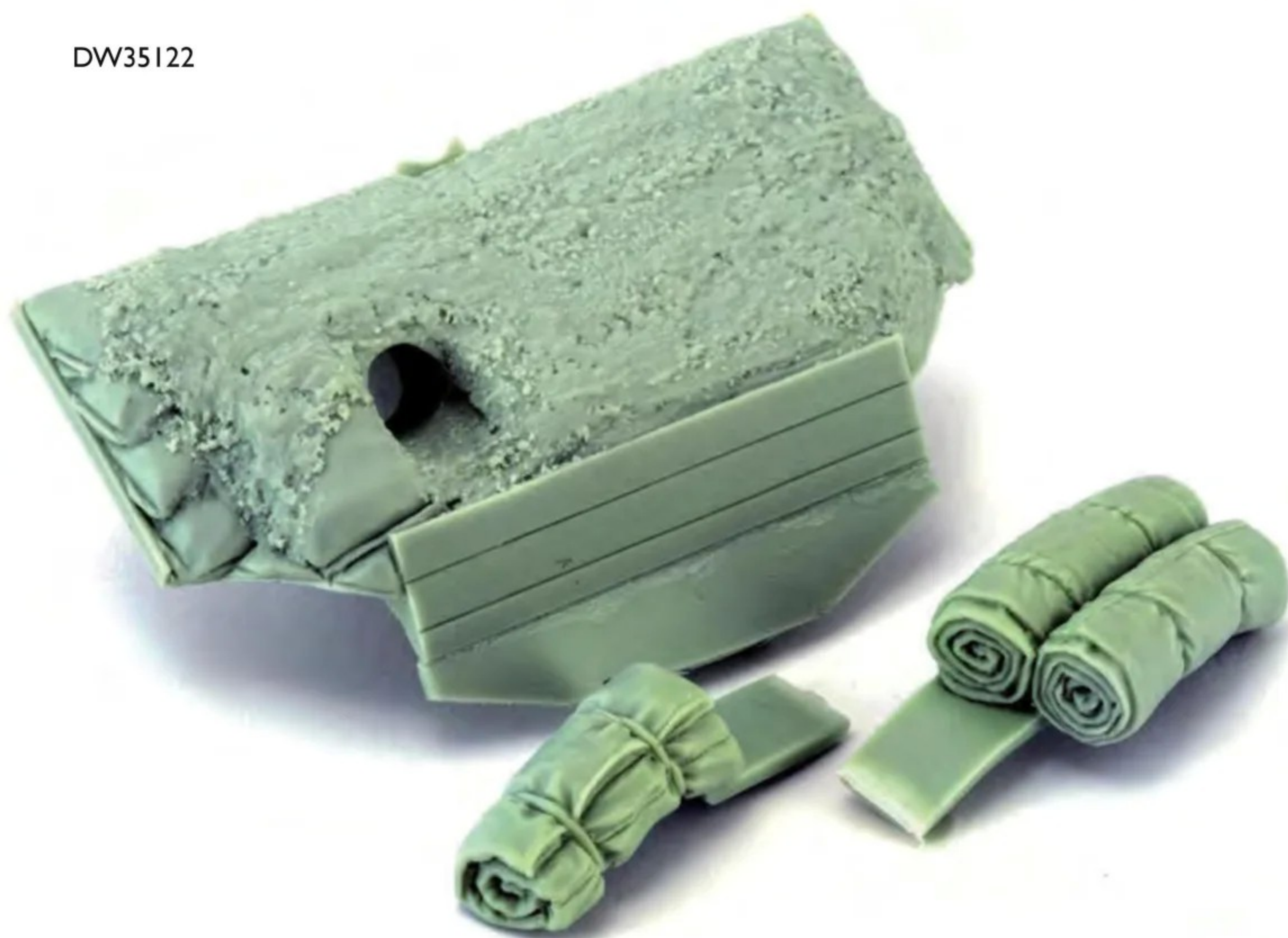
DW35154



DW35158



DW35122



DW35121



Accessories

RED ZEBRA, UK

www.redzebramodels.co.uk

Red Zebra make a wide range of scale model accessories and they are always beautifully sculpted and full of character. Three new sets to arrived recently include a suite of stowage for Tamiya's 1:48 Challenger 2 kit, plus some generic bedding rolls in 1:35 (all eras) and bin bags of domestic waste for dioramas. Excellent resin castings and some lovely attention to detail make these sets a must-have for one's spares box.

1:48 resin detail set

- 1:48 Challenger stowage (n/a)

1:35 resin detail sets

- Domestic waste (n/a)
- Rolls 4 (n/a)



1:48 Challenger stowage



1:35 Domestic waste

1:35 Rolls 4



BRENGUN 1/72 -plastic kits
BRP72042 Yak 1b GC-3 Normandie

BRENGUN 1/144 -accessories
BRL144162 Mirage Ladder

BRENGUN 1/144 -construction kits
BRS144050 BTR-60 PU

BRENGUN 1/72 -resin construction kits
BRS72017 SO-1221 Djinn

BRENGUN 1/72 -accessories
BRL72208 Arado Ar-396 (R5 model kit)

BRL72209 Morane-Saulnier MS.225 (Heller/Smer kit)

BRL72210 He-115 (Revell kit)

BRL72211 A-4C conversion (Airfix kit)

BRL72212 Rato rockets (A-4 Skyhawk)

BRL72213 Mirage Ladder

BRL72214 P-47N Wheels (3 type of pattern)

BRENGUN 1/48 -accessories
BRL48133 AIM-9X (2pcs)

BRL48134 MKXVII Depth Charge

BRL48135 F/A-18 Wheels

BRENGUN 1/32 -accessories
BRL32040 AGM-45 Shrike



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New Releases Accessories

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

HAULER, CZECH REPUBLIC

www.hauler.cz

We featured Tamiya's sublime little 1:48 M8 HMC back in Issue 329 (March 2023) and since then, the kit has attracted some very neat detail sets. Possibly the most extensive is this resin and photo-etched brass upgrade package from Hauler and it includes internal ammo racks and rounds, driver and gunner's seats, fire extinguishers and other interior parts, plus a whole new floor in PE brass, complete with non-slip pattern. In the turret we have .50cal ammunition boxes, M1 carbines and a whole new M.2 Browning gun. On the hull exterior we are treated to engine grilles, new tools (resin) and brackets (PE), headlight brush-guards and spare track brackets. It's an extensive set that will bring an extra touch of refinement to Tamiya's already lovely little M8. The finishing touch is Hauler's PE brass hedgerow cutter which folds up and fits to the bow plate.

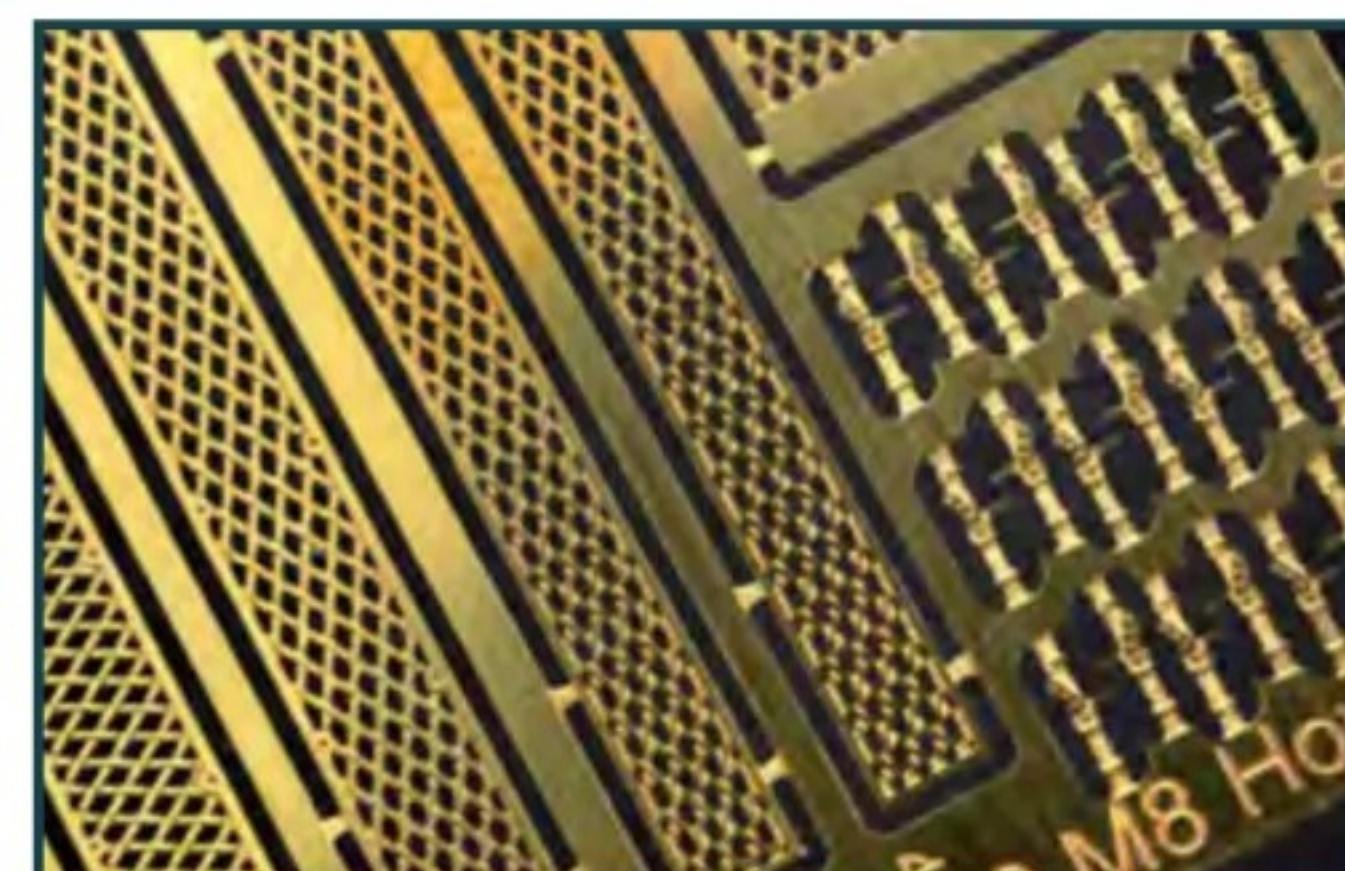
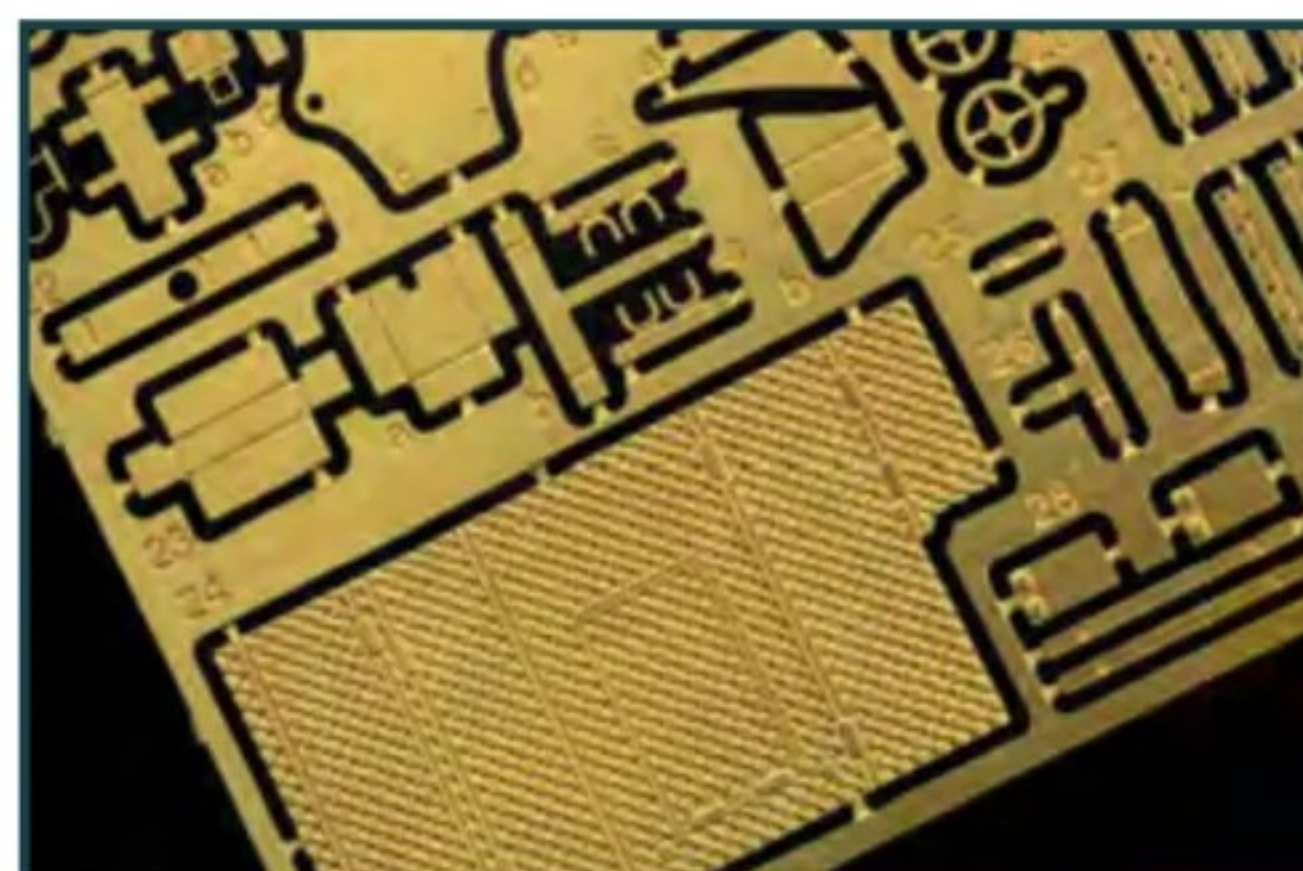
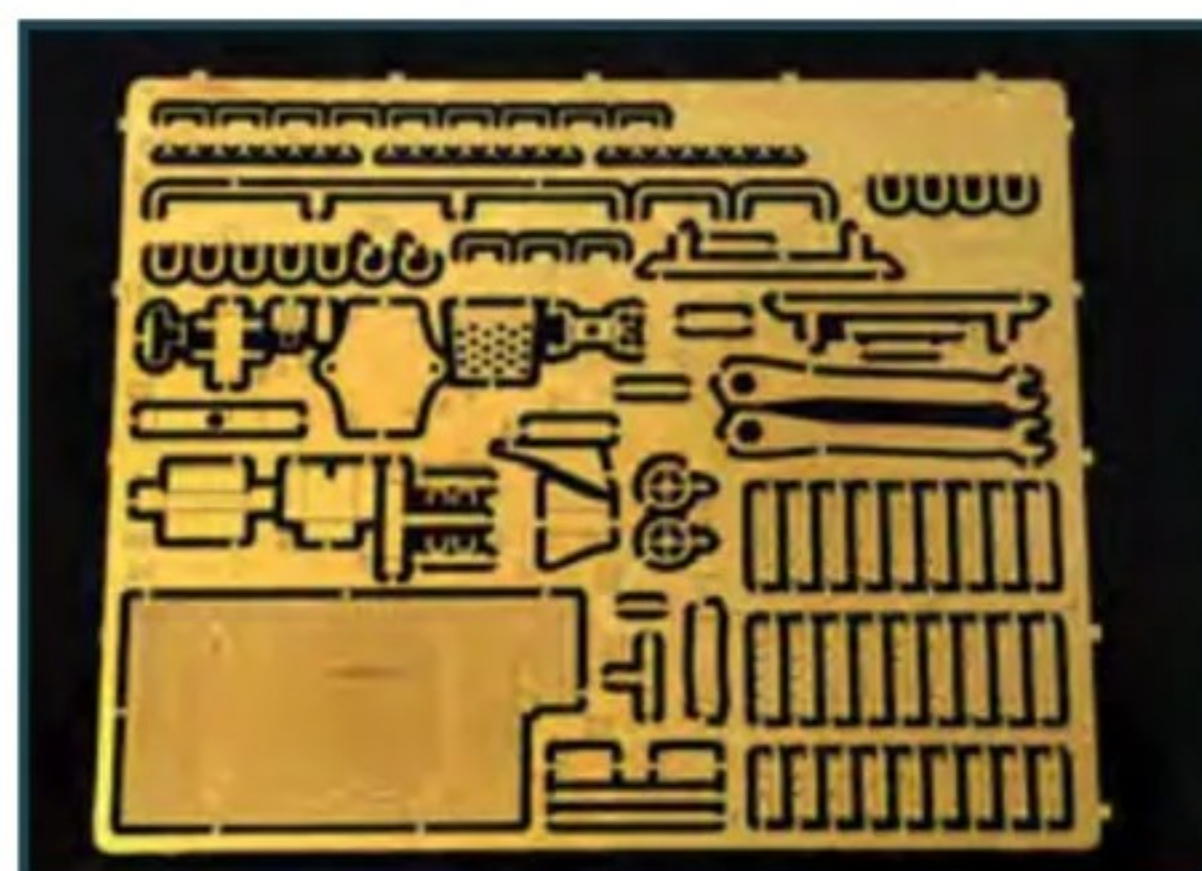
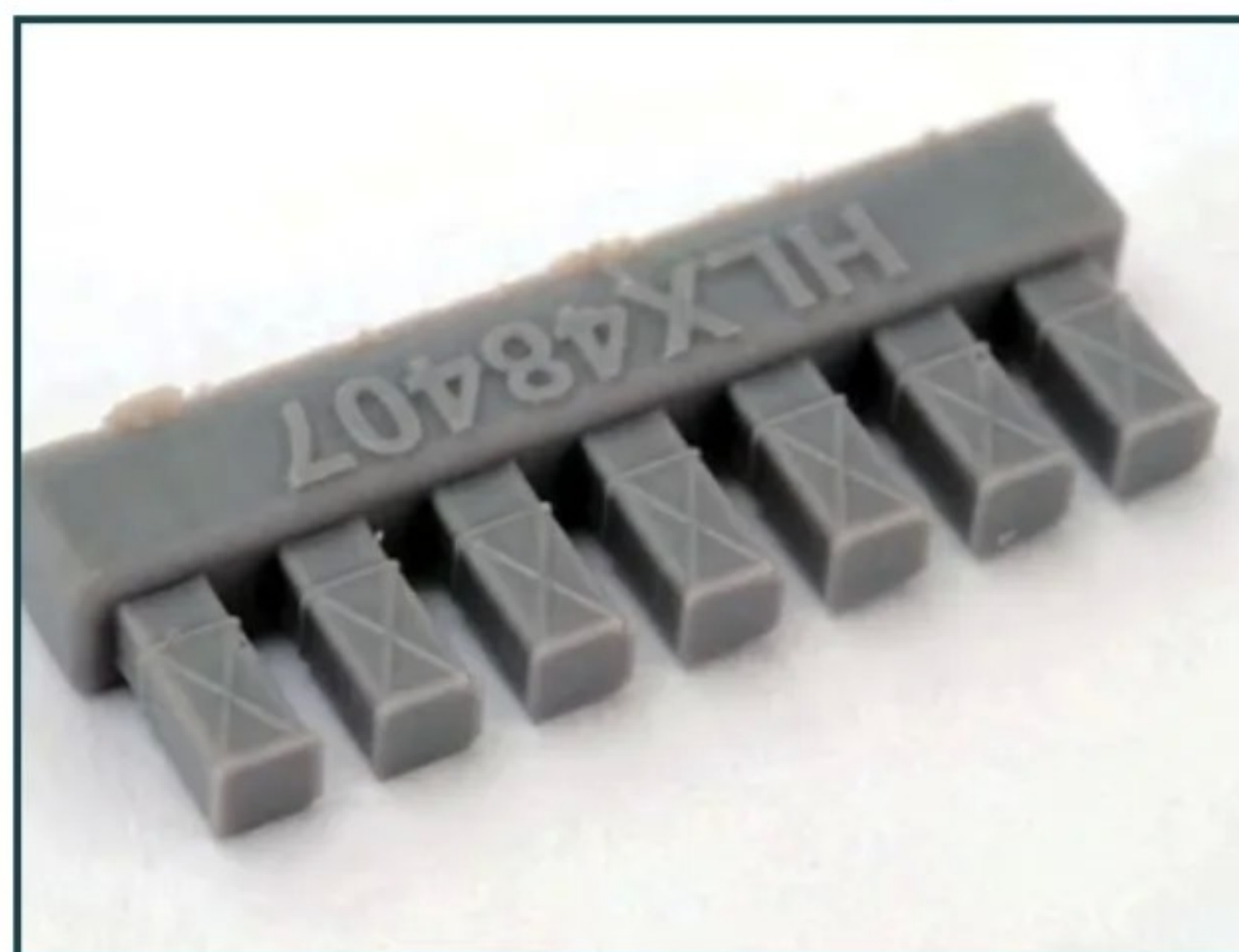
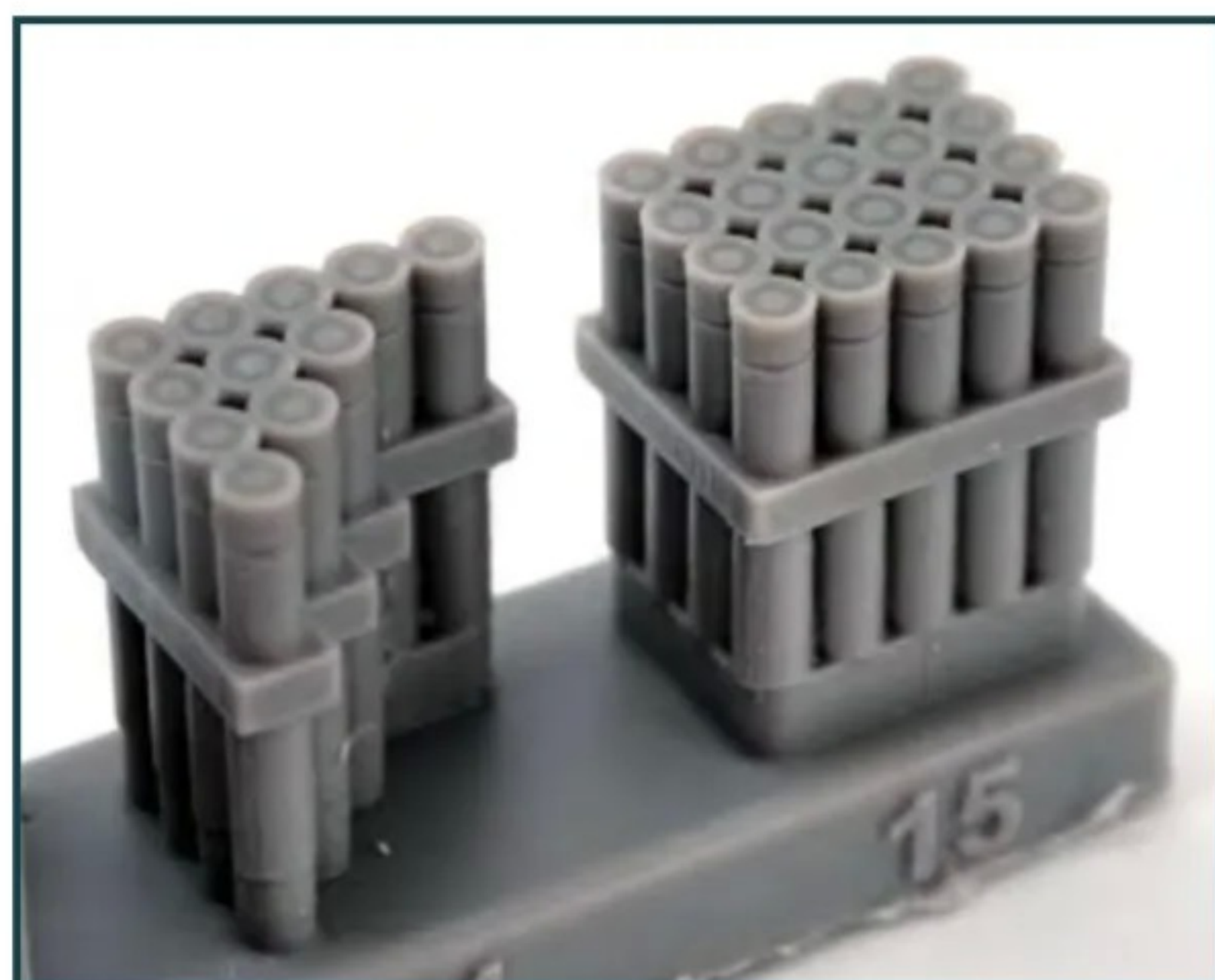
1:48 resin and photo-etched metal detail set

- US Howitzer Motor Carriage M8 (HLX48407) for Tamiya

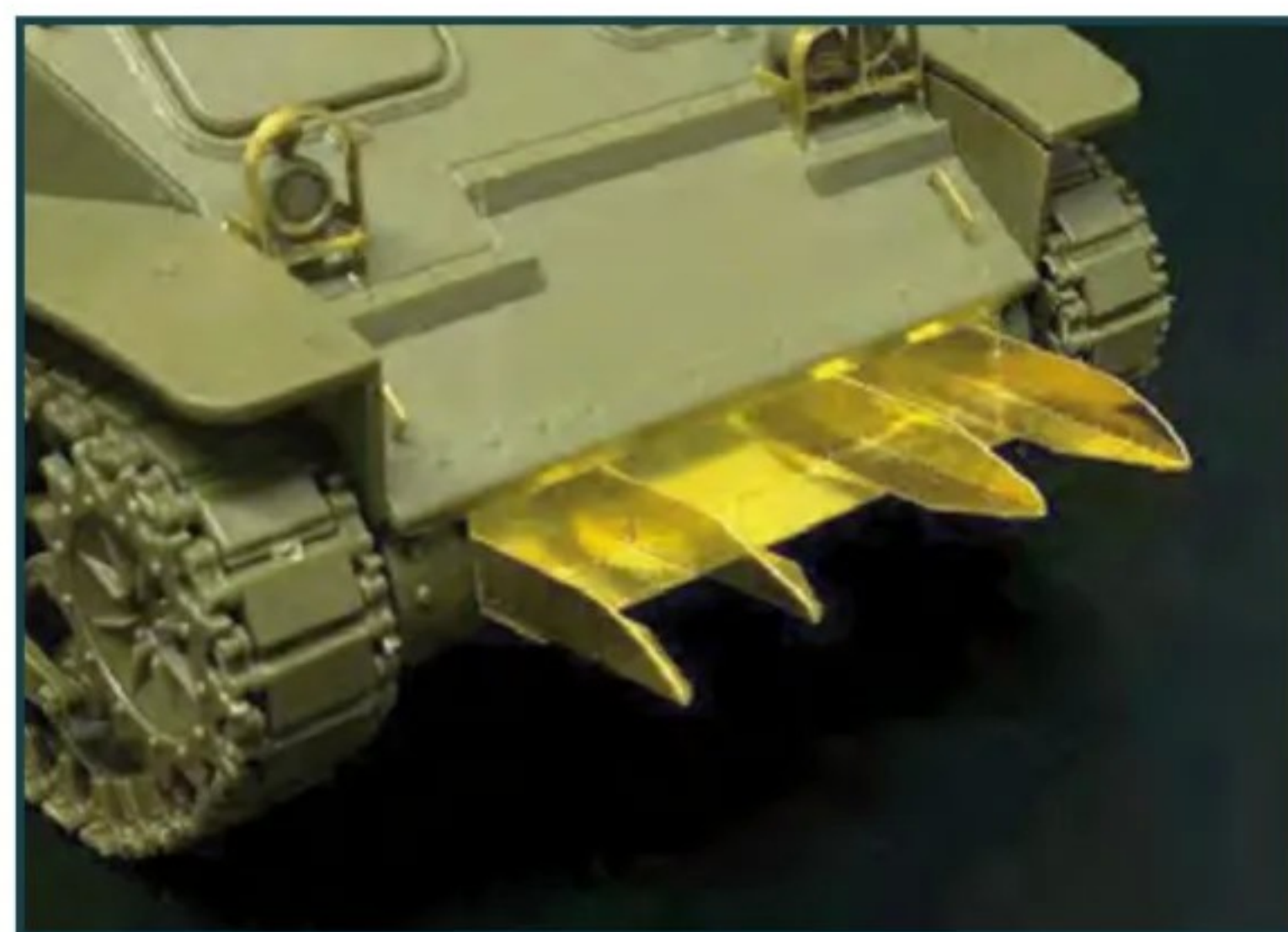
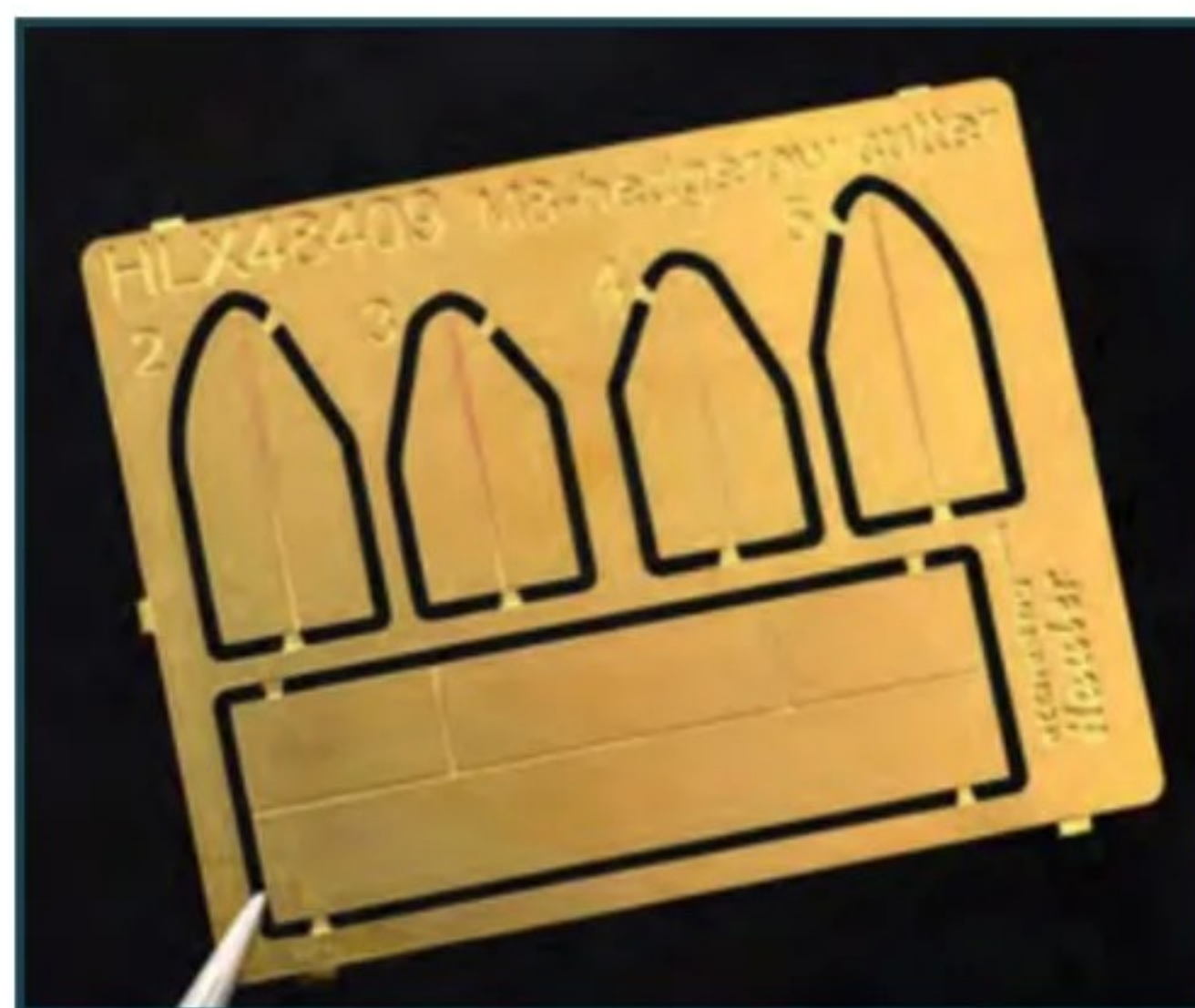
1:48 photo-etched metal detail set

- US Howitzer Motor Carriage M8 hedgerow cutter (HLX48409) for Tamiya

HLX48407



HLX48409



Tamiya's 1:48 M8 HMC kit was given a detailed, full-build review by Spencer Pollard in TMMI Issue 329 March 2023, back issue still available here:
www.doolittlemedia.com



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FULL-BUILD: SCIENCE-FICTION FILM MODEL

REVELL 1:24 STAR WARS THE MANDALORIAN N-1 STARFIGHTER ● KIT NO.06787



RETURN OF THE MANDALORIANS



Jezz Coleman builds one and a half of Revell's new 1:24 N-1 Starfighters and creates a Tatooine display base for them

It goes without saying that anyone under the age of fifty has watched at least one Star Wars movie, if not several, or played with the associated merchandise, from console games to LEGO, as a child. I would put money on modellers having most likely built at least one of the many vehicles, figures or spaceships from the Star Wars universe at some point in their hobby lives! Anyone that knows me knows just how much of an absolute super-fan of all things sci-fi related I am, especially in regards to Star Wars. Suffice to say, I have a very understanding wife who puts up with all the collectables I have scattered around the home. So you can imagine her joy when I was given the chance to build this kit! Full disclaimer: the two kits used in this feature were very early pre-production samples at the time of writing this so I had no instructions or decals at the start, but they arrived later on as I was getting towards the end of the build.

Those of you who attended Scale Modelworld 2023 might recognize this build as it was the model that was displayed on the Revell stand over the weekend of the show. As you can see, there is one full complete build of the N-1 with the R5 maintenance droid in the rear compartment and Grogu (AKA The Child) sitting on the lap of the Mandalorian inside the cockpit and rather than having a second ship built – in 1:24 this thing has a rather large footprint – I decided on just a cutaway, showing the alternative version Revell give you of having Grogu in the rear. This build was time-sensitive, only having a week or so to get it over the finish line and on the table in time for Scale Modelworld 2023 so I had to pull out all the stops to get the job done. ▶

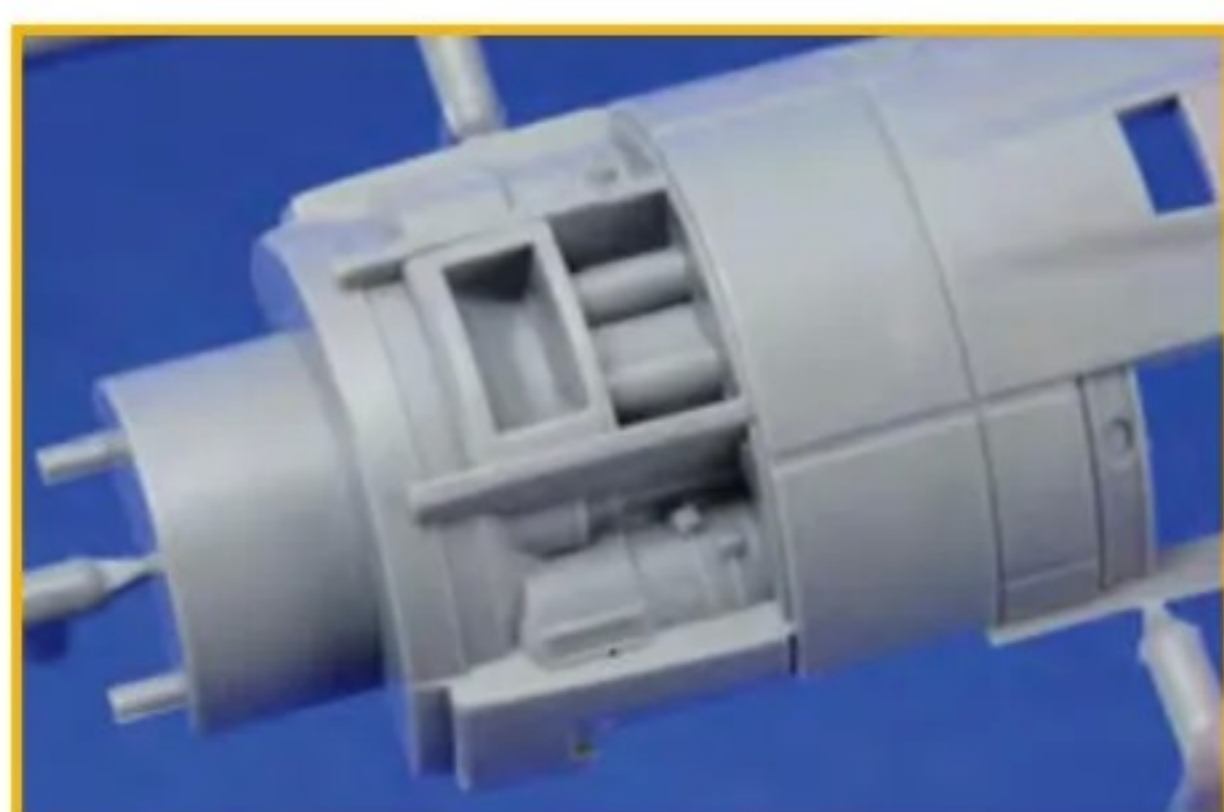
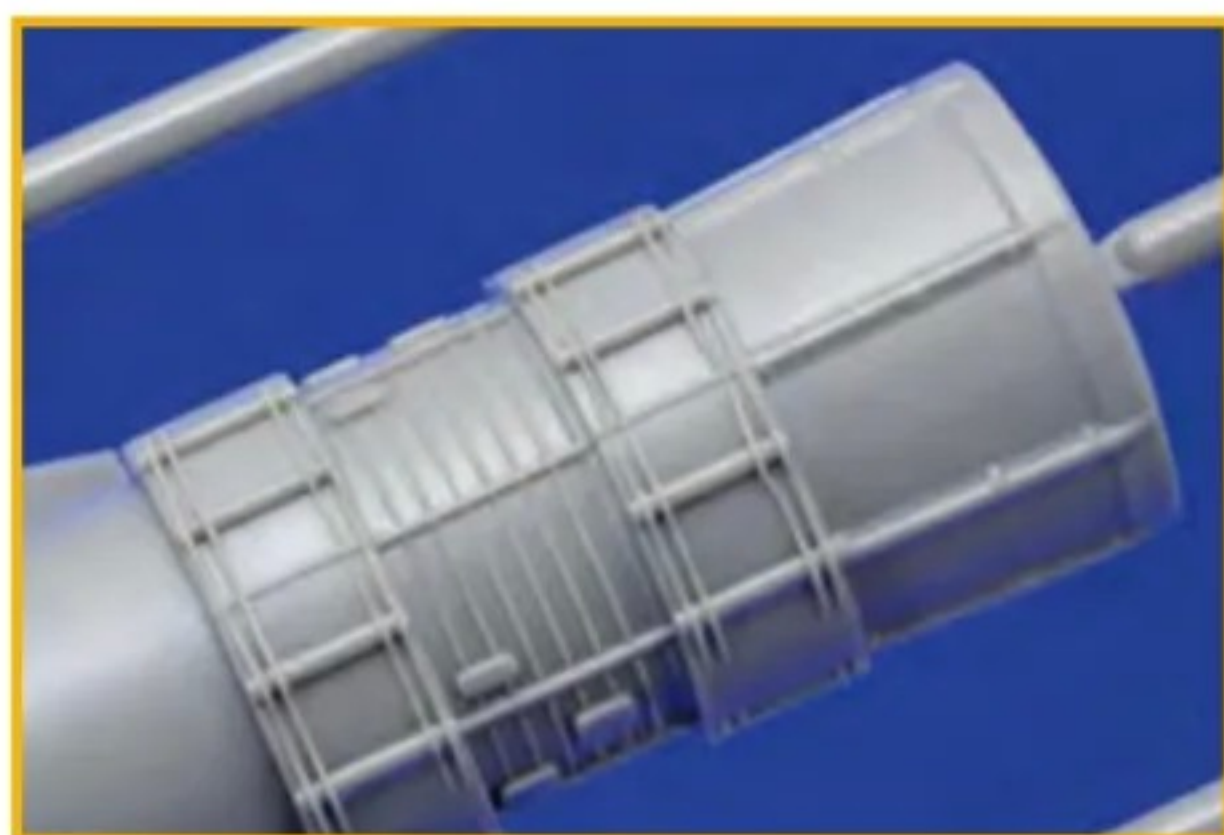
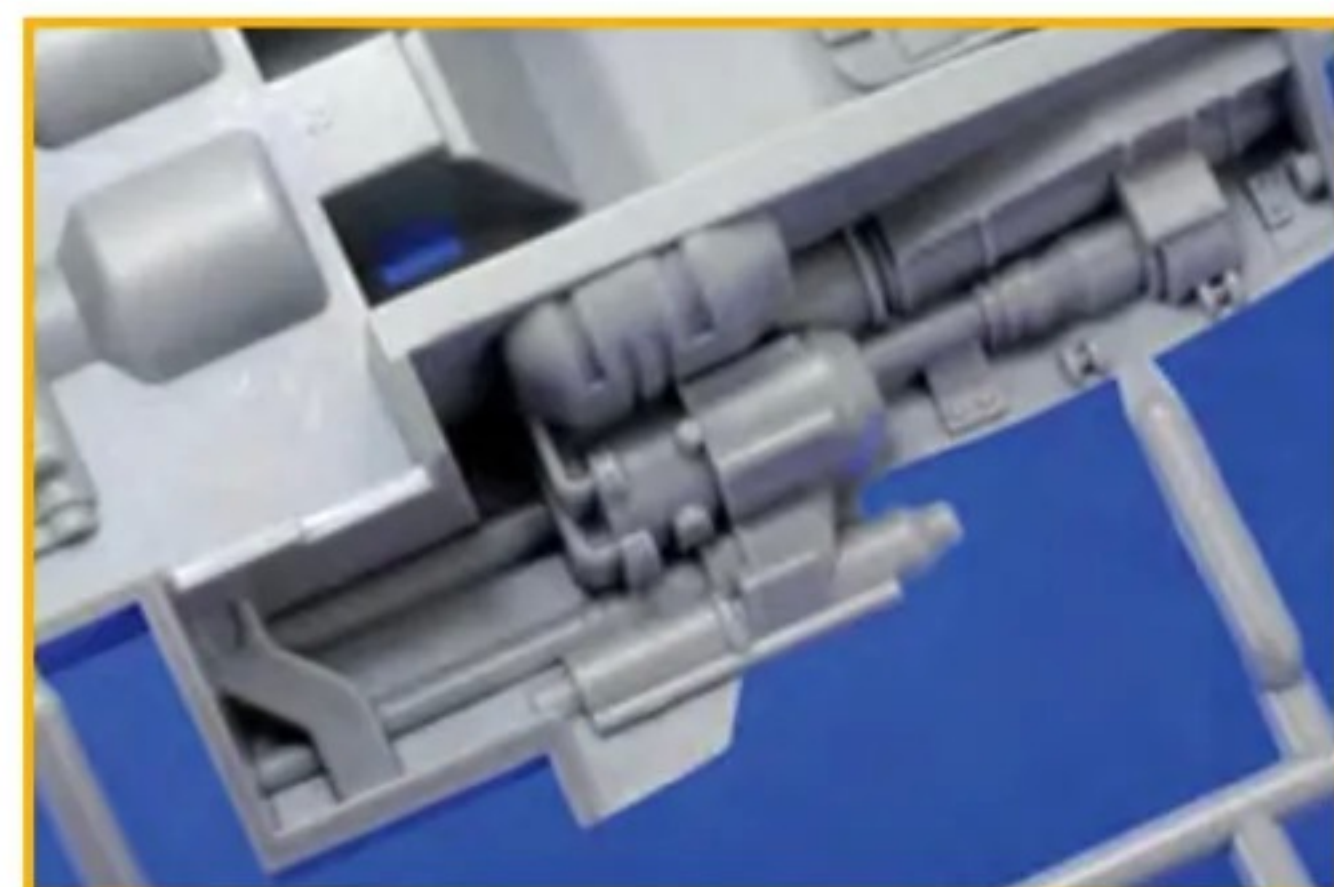
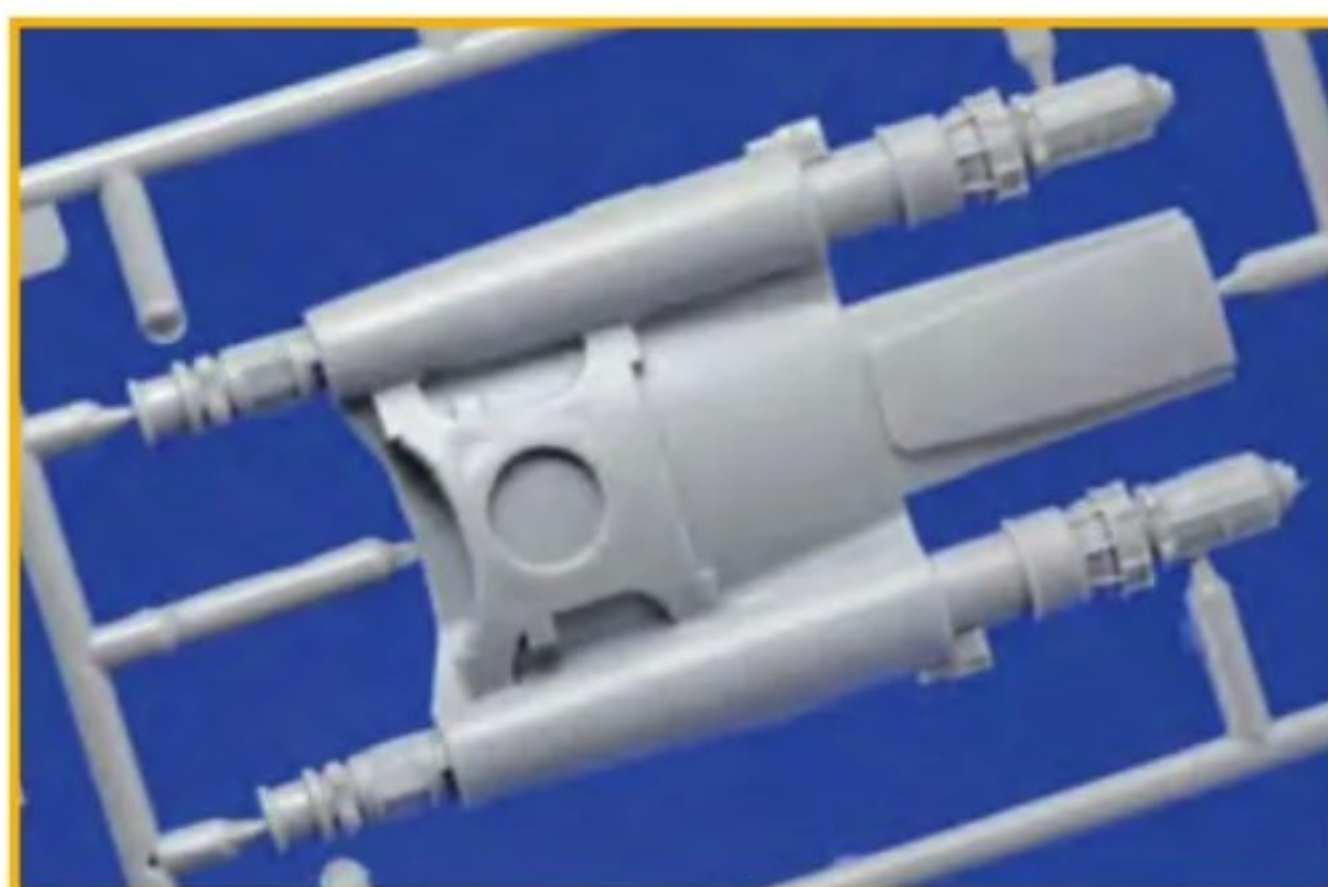
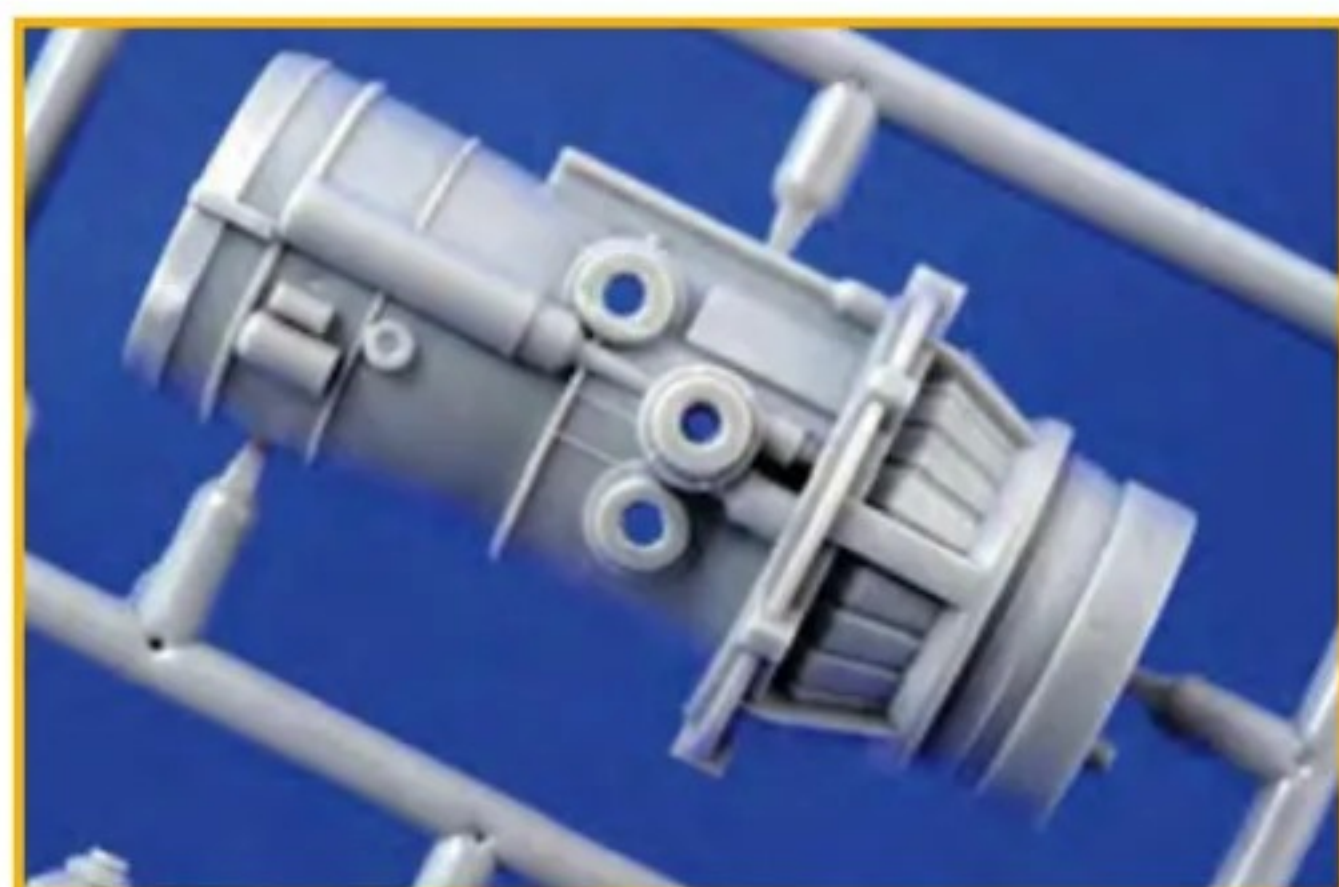
FULL-BUILD: SCIENCE-FICTION FILM MODEL

REVELL 1:24 STAR WARS THE MANDALORIAN N-1 STARFIGHTER ● KIT NO.06787



Two poses of Grogu are provided for different scenes from the TV series and he looks cuter than ever!

Astromech R5-D4 – his head at least – is provided to sit behind the cockpit



In 1:24, the N-1 is remarkably large as we can see from the upper fuselage moulding here

“there are some really nice details on the sidewalls and cockpit floor that you can really go to town on painting up and weathering...”

MODEL LOLLYPOPS

As you can see from the photos, I decided to display these models perched precariously on some clear acrylic rods 30cm above the ground. An accident waiting to happen, right? Lots of thought was put into just how I could make it so they can be transported easily to shows etc., without the worry of the entire thing collapsing into thousands of pieces. I could have drilled a great big hole on the underside of both ships and slathered in lashings of epoxy to secure the rods in place, however I finally decided on drilling a small hole though from the inside of the lower fuselage and UV-gluing one M4 bolt and

large washer to add some strength. This would then allow me to simply screw the model on and off as required on a acrylic rod into which I'd previously drilled and inserted some brass threaded fasteners into both ends. That way, once the model was complete, I could unscrew and remove the models safely and quickly from both bases without the worry of damaging them in transport. Some might say it was a bit of overkill but hey, I'm a modeller, and attention to detail is everything, right?

BUILDING THE MAIN SHIP

After a quick overview of the parts, this kit it looks to have been designed in a way that most of the components

can be sub-assembled and the majority of the parts can be painted prior to final assembly. First port of call was to build up both engines and attach the associated fuel lines and forward intake fans. These were installed on the main engines and there is scope here for those of you who enjoy the superdetailing side of things, but for the purpose of this build I kept it pretty straightforward. So, following some reference photos online, the engines were painted up using various metallics and some of the finer details were picked out with a paint brush. A little panel-liner was applied to add some interest to the moulded details and I called it done. 'Bob's your uncle'

as they say! With both the engines assembled and painted, you then need to fit the engines into the lower half of the ship's wing and then glue in place the lower engine cover and then repeat the other side. At this point the instructions call for you to assemble the Mandalorian figure, bearing in mind at this stage you will need to decide which combination of Droid and Grogu you will be going with for your model.

Next was the cockpit area and there are some really nice details on the sidewalls and cockpit floor that you can really go to town on painting up and weathering. But once Mando is in place, not a lot of it can be seen sadly, but I know it's there. Where I



have heard that before? The previously assembled wings were cemented in place, along with two small lower fuselage fillets which conjoin with the wings, some locating pins adding strength.

Before I closed up the fuselage, I primed and painted a base coat of aluminium from an aerosol. There are several internal box sections full of detail – known as greeblies – that were painted up with some light drybrushing applied to highlight the detail. These were then glued in place and can be clearly seen through the open slots in the upper

areas of the fuselage. The finished cockpit section was also cemented in place. As mentioned above, the locating bolt for mounting the ship was already in position so I could now attach the long tail section of the ship and cement it in place. The small attachment for the rear cockpit area was also fitted depending on if building it with the droid or Groggu. Finally, with everything on the ship attached, I was able to fix the lower fuselage in place.

With the main aluminium base colour painted already, all that was left to do was to mask off the cockpit area

and some select panels to paint in different shades of metallics to add some visual interest. All the main paintwork was now complete, so I could go ahead and apply the decals. Next came my favourite part – the weathering – most of which was done by airbrush, applying thinned brown and black paints to create all that space dust and grime from all those close calls Mando had in this ship. A few pigments were also used. All that was left to do now was to apply a satin clear coat to protect the model while being manipulated. ▶

FULL-BUILD: SCIENCE-FICTION FILM MODEL

REVELL 1:24 STAR WARS THE MANDALORIAN N-1 STARFIGHTER ● KIT NO.06787



● SLICE AND DICED

The cutaway ship was built and painted in very much the same way as the main one, so I won't bore you with those details again. The slight difference on this model was the option of where Grogu was situated, plus, I'd taken a razor saw to cut away all the forward and rear portions of the ship! Two pieces of plastic card were glued on the front and rear of the cutaway. All that was left to do was to attach both the canopy sections which just clicked into place with no need for any glue.



BASING IT UP

A Star Wars 'in flight' diorama wouldn't be complete without a dusty Tatooine landscape, so for this I used a some high-density foam. Using my hot wire cutter I carved an undulating landscape, followed by some AK Interactive Sand Texture paste which was spread thinly over the base. Once that was dry, I airbrushed several sandy brown colours to create a little bit of variation and finally, some PVA glue was applied down and some static grass sprinkled on; both the ships were then attached to the acrylic rods all ready for display. I think this is a really dynamic way to display a model like this. And there we have it – Revell's all-new N-1 Starfighter, an impressive model in both size and detail! ●



“A Star Wars ‘in flight’ diorama wouldn’t be complete without a dusty Tatooine landscape...”

With a spare test-shot to hand, the author sawed off the wings and tails to create a unique 'pod' that shows the other set-up offered. Please note, the extra cockpit section is not included in the kit box



The author created a neat base and acrylic rod support system to display the model and the cut-back version. Please note, the Tatooine base and rods are not included with Revell's kit!

TECHSPEC...

REVELL 1:24 STAR WARS THE
MANDALORIAN N-1 STARFIGHTER
KIT NO.06787

Materials:

Injection-moulded polystyrene, waterslide
decals

Availability:

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

KIT PREVIEW

TAMIYA 1:48 GRUMMAN FM-1 WILDCAT/MARTLET MK.V ● KIT NO.61126

846th Naval Air Squadron,
Royal Navy, HMS Tracker (D24)
Normandy, June 1944



VC-58, US Navy USS
Guadalcanal (CVE-60) North
Atlantic January 1943



VC-33, US Navy USS Nassau
(CVE-16) September 1943

WILDCAT, REVISED!

Tamiya's Grumman 1:48 FM-1 Wildcat/Martlet Mk.V is quite a bit more than just a simple re-release...

It's amazing to think that Tamiya's super little 1994 Grumman F4F-4 Wildcat in 1:48 is almost thirty years old, and indeed, it is, although it was certainly ahead of its time in terms of detail and fit of parts. So much so, that it forms the basis for the newly released FM-1 Wildcat/Martlet Mk.V with a handful of modified parts to correctly depict this later variant.

The main change is the deletion of the outer machine gun from each wing, with the barrel openings and access panels from the upper halves and their corresponding openings and ejector ports from the lower halves also removed. On close inspection of these areas, one can just make out the revised portions of wing parts, although you have to look closely. For this

preview, we have highlighted these areas in red, opposite page, top. We mustn't forget the other additions to the box; a seated and rather nicely detailed pilot figure on the new sprue 'D' which also carries the final – and tiny – new component in the form of a rear-view mirror (plus a spare) for the top of the canopy. Otherwise, the rest of the model uses the same mouldings as the original

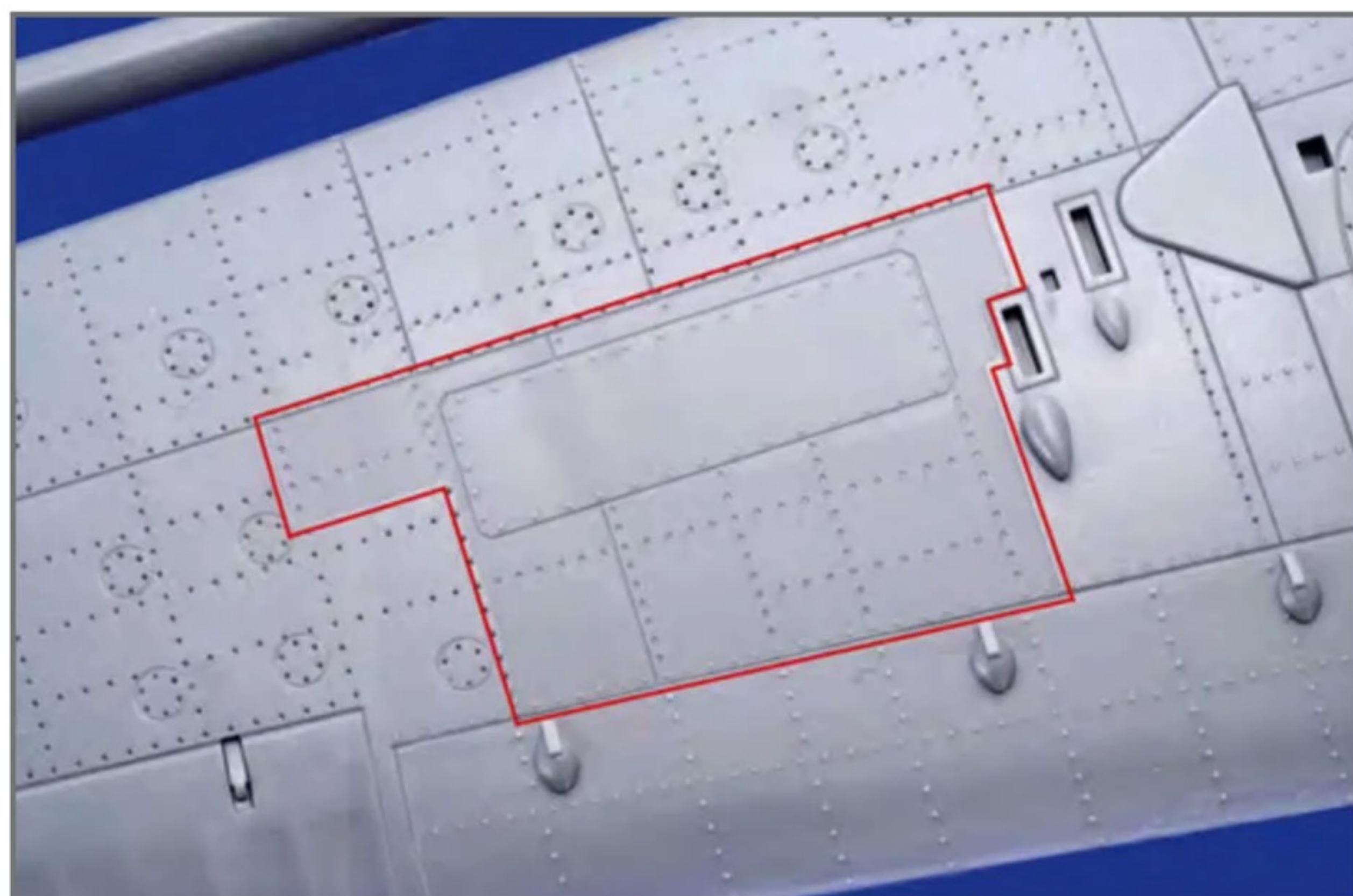
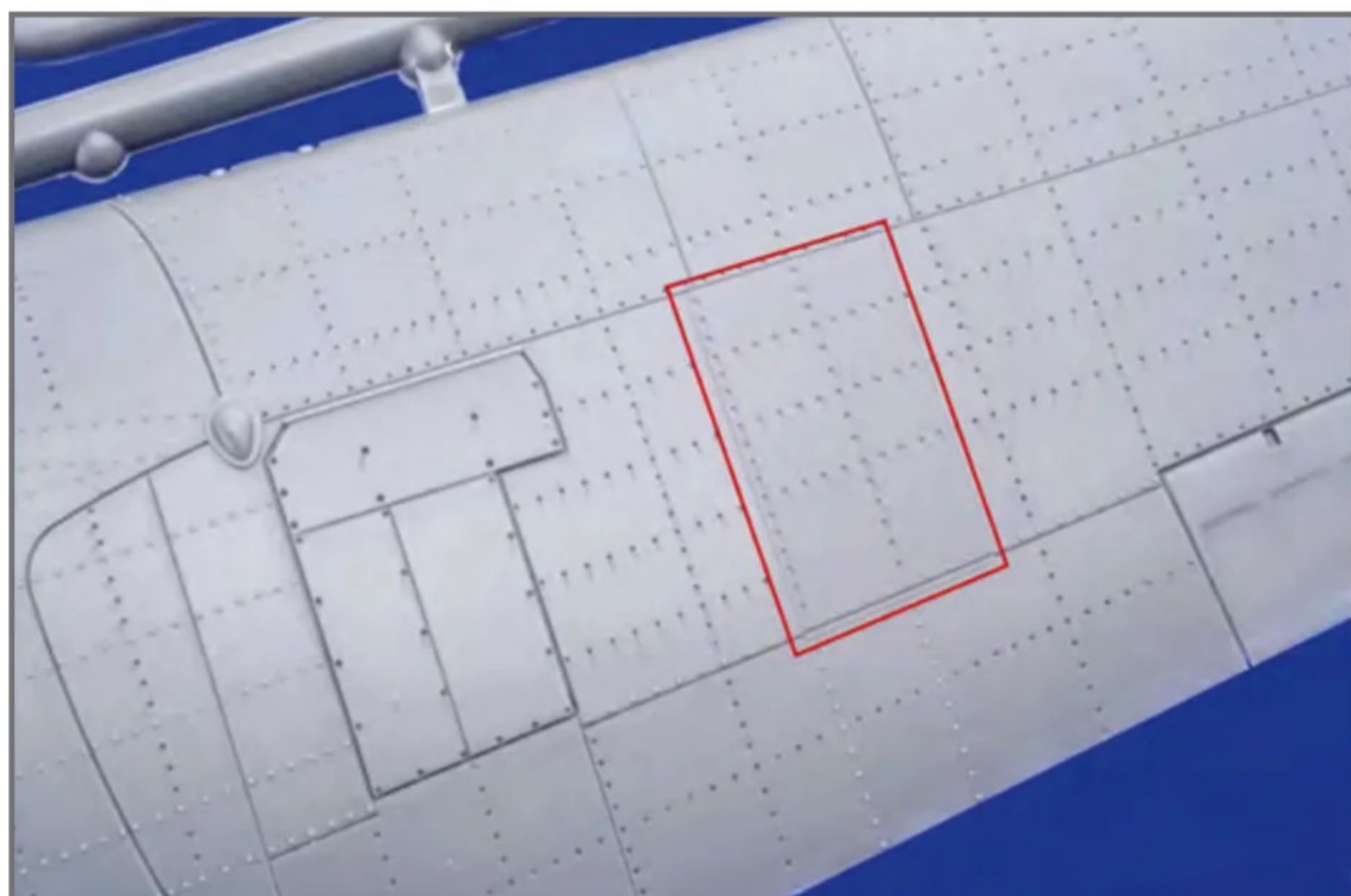
kit and those more familiar with Tamiya's recent aircraft releases might be surprised to find raised and recessed rivets covering the entire airframe. While the raised rivets might be marginally too prominent for the scale, in practice they add an attractive, three-dimensional element to the Wildcat's exterior and will look great under a coat of paint and sympathetic weathering.

The rear-view mirror is not used
on either of the USN Wildcats...



...but it is present on the
Royal Navy Martlet Mk.V

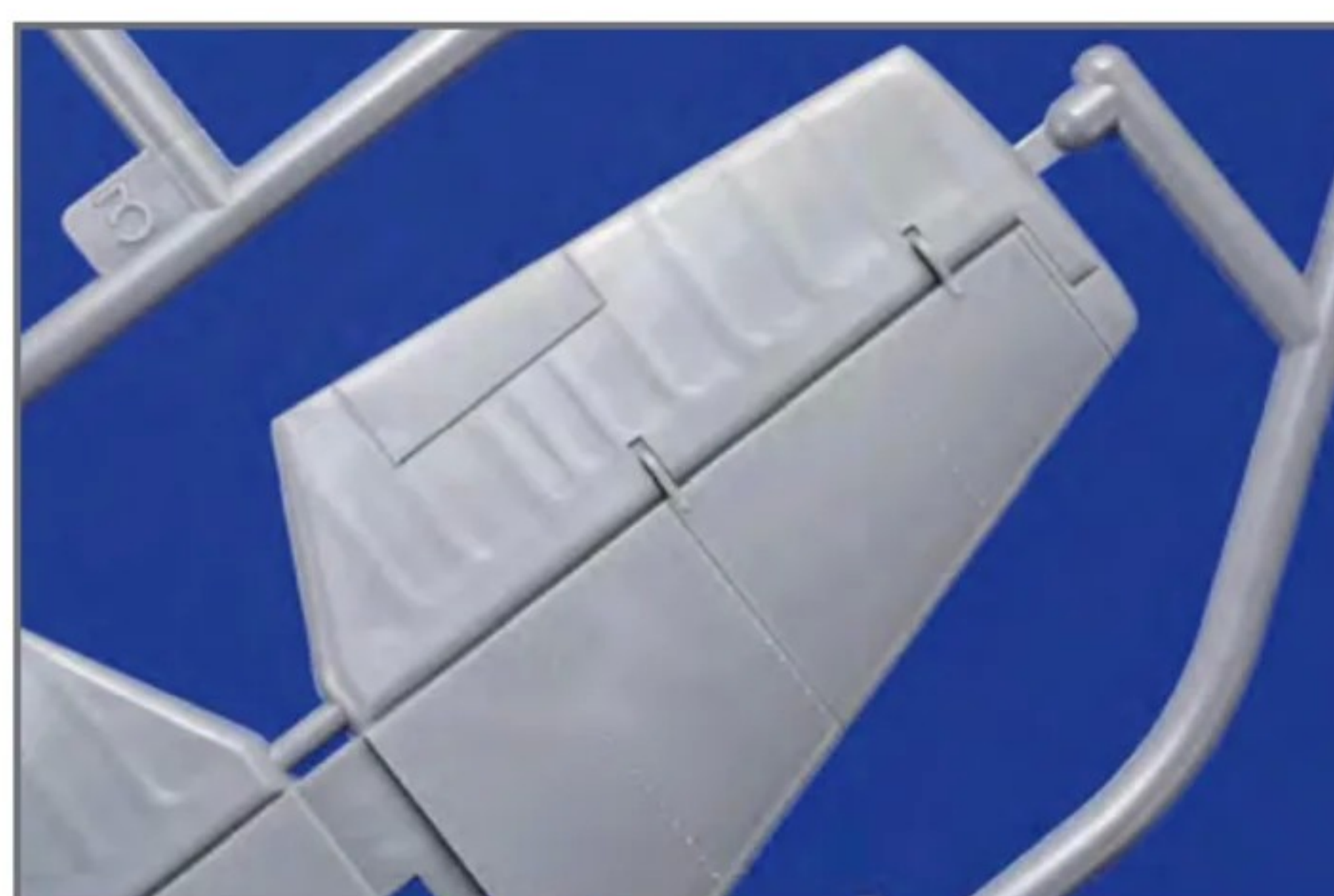




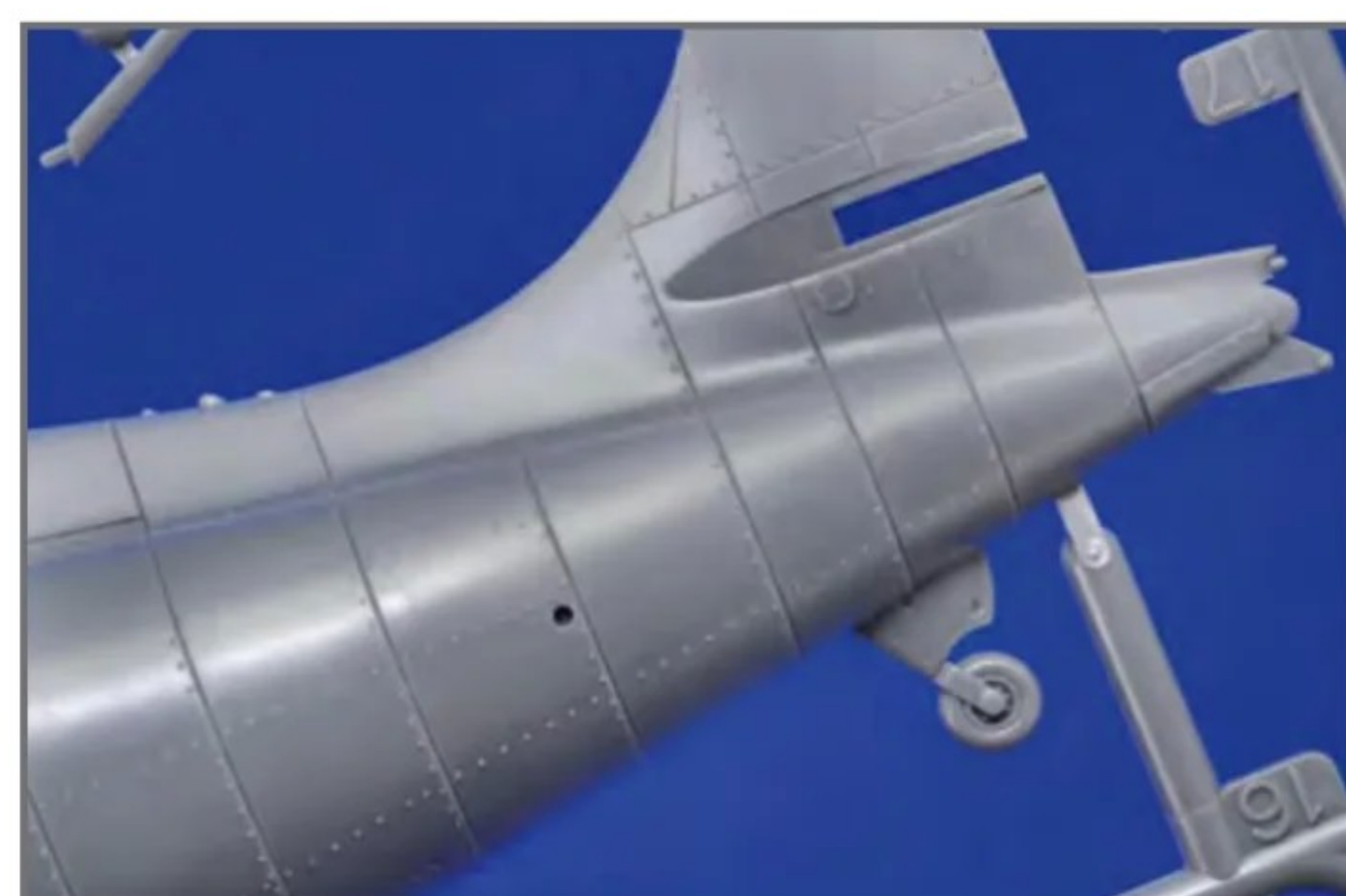
The upper and lower wing halves have been modified in this release to reflect the deletion of the outer wing guns of the original fighter. The affected areas are outlined here in red

NEW INSTRUCTIONS

Interestingly, the instructions have been significantly updated with new and more extensive paint references, plus some assembly sequence changes too. For example, the rudder must now fixed in place right at the end in step fifteen instead of at the beginning in step one, perhaps for ease of handling? Sadly, the 'windscreen' in the 1994 release is now called the 'windshield' (it is an American plane after all) but we must not grumble because Tamiya's kit now comes with some appealing markings options for three very contrasting theatres of operation. As well as the all-new decal sheet, Tamiya provide a sheet of self-adhesive masks which, although needing cutting out from their backing sheet, will considerably ease the painting of the Wildcat/Martlet's canopy.



Effective structural textures/patterns can be seen on the control surfaces



Rivets everywhere! This feature is mostly absent on Tamiya's more recent 1:48 aircraft kit releases



TO SUM UP

This release is much more than a simple re-issue. It depicts a whole new version of Grumman's appealingly dumpy fighter and along with the revitalised instructions and fabulous decals, makes it a worthwhile purchase for modellers of iconic WWII Allied combat aircraft. ●



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

- **Scheme A:** 846th Naval Air Squadron, Royal Navy, HMS Tracker (D24) Normandy, June 1944 (Dark Green/Grey/Sky with invasion stripes)
- **Scheme B:** VC-58, US Navy USS Guadalcanal (CVE-60) North Atlantic January 1943 (Dark Sea Grey/White)
- **Scheme C:** VC-33, US Navy USS Nassau (CVE-16) September 1943 (Sea Blue/Intermediate Blue/White)

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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



ARMA HOBBY, POLAND HURRICANE MK.IIC

www.armahobby.com

SCALE: 1:48 • MATERIALS: IM, PCM, WS • ITEM NO.40004

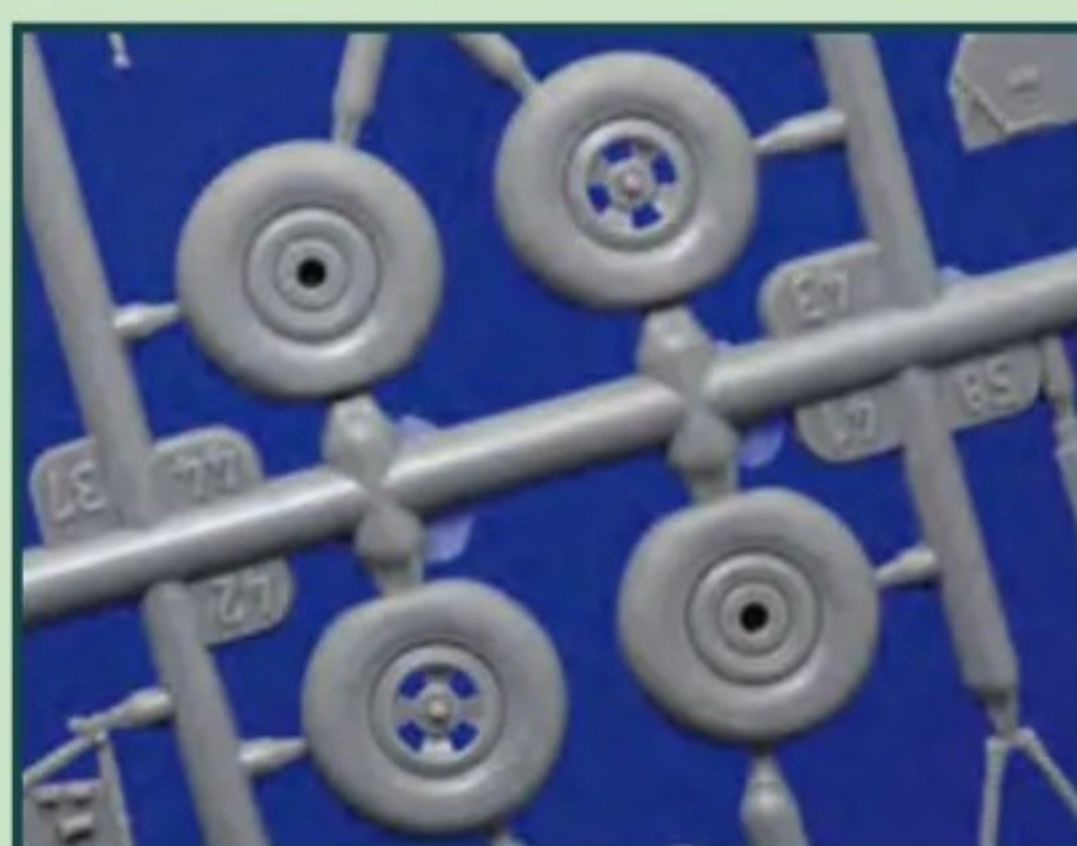
Every so often, a kit arrives at Tamiya Model Magazine that truly makes us exclaim 'wow' (out loud sometimes!) maybe because of the boldness of subject choice (ICM's 1:35 CH-54A Tarhe comes to mind), or just the sheer quality of the mouldings and the detail they carry; the latter is certainly the case with Arma Hobby's new 1:48 Hawker Hurricane Mk.IIc and Mk.IIc Trop that arrived in the last few weeks. Arma Hobby had already established itself as a serious manufacturer with the 1:72 Hurricane and other subjects and with these 1:48 models they have taken it to a whole new level. As I so often state in TMMI reviews, "the kit comes on three sprues of grey polystyrene" (*TMMI passim*) but take a close-up look at the fuselage and wing halves – under magnification ideally – and like me, you will be blown away by the level of delicate refinement the mouldings exhibit: it is an major step-up from what is expected from a scale aircraft kit, leaving one to ponder quite how they achieved this level of detail in humble ejection-moulded plastic. Running a fingertip over the wing surfaces, you can feel how subtle the raised and recessed surface detail is and how well it well respond to paint and weathering, so much so I was left itching to start work on the kit, even as my workbench was groaned under the weight of the review kits for this issue. With a model of this calibre there's no general need for photo-etched parts and none are included, but you will need to source your own Sutton Harness, such a distinctive feature of the Hurricane's cockpit: they are represented by decals as standard and are the weakest part of the kit, which is pretty impressive. **The Editor**



An astonishing model with detail that must be seen (and felt) to be believe



If the only negative point of the kit is the decal seat-harness, then we're onto a winner here!



BRENGUN, CZECH REPUBLIC LETOV Š-16T (TURKEY)

www.brengun.cz

SCALE: 1:72 • MATERIALS: IM, R, PE, WS • ITEM NO.BRP72048

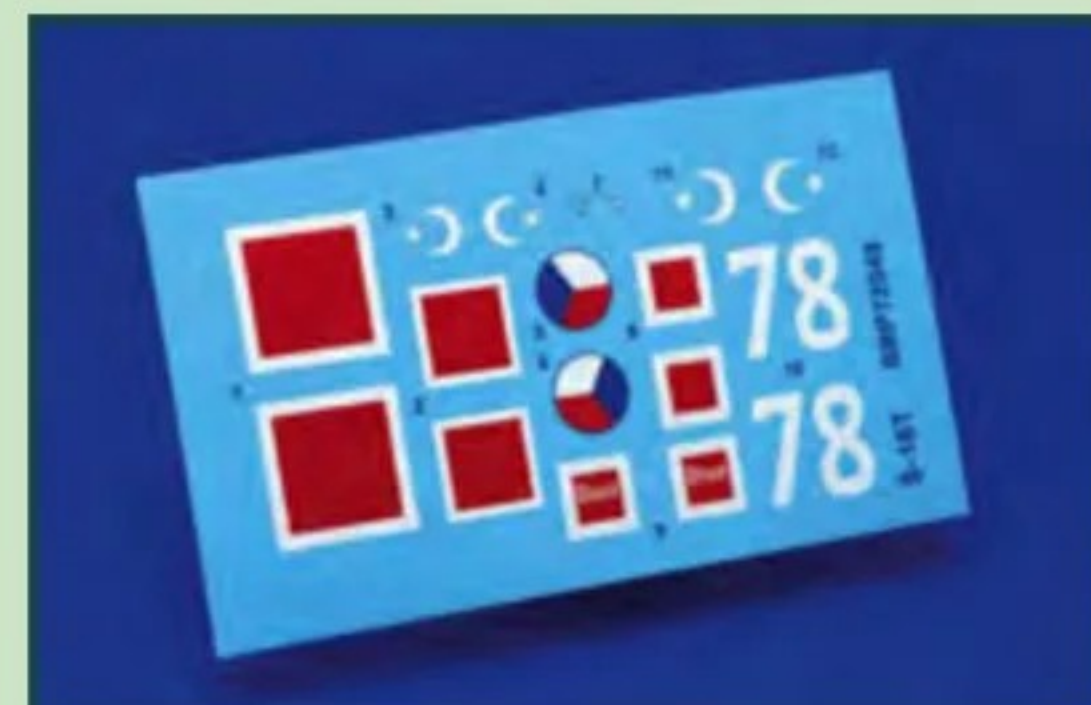
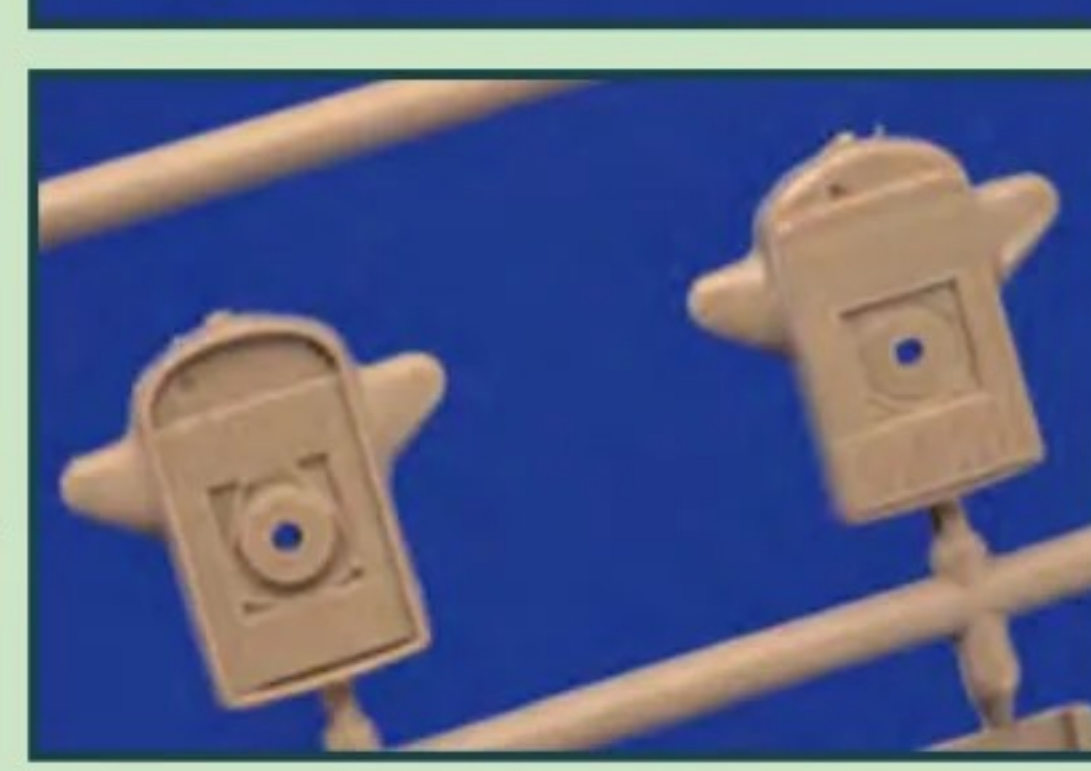
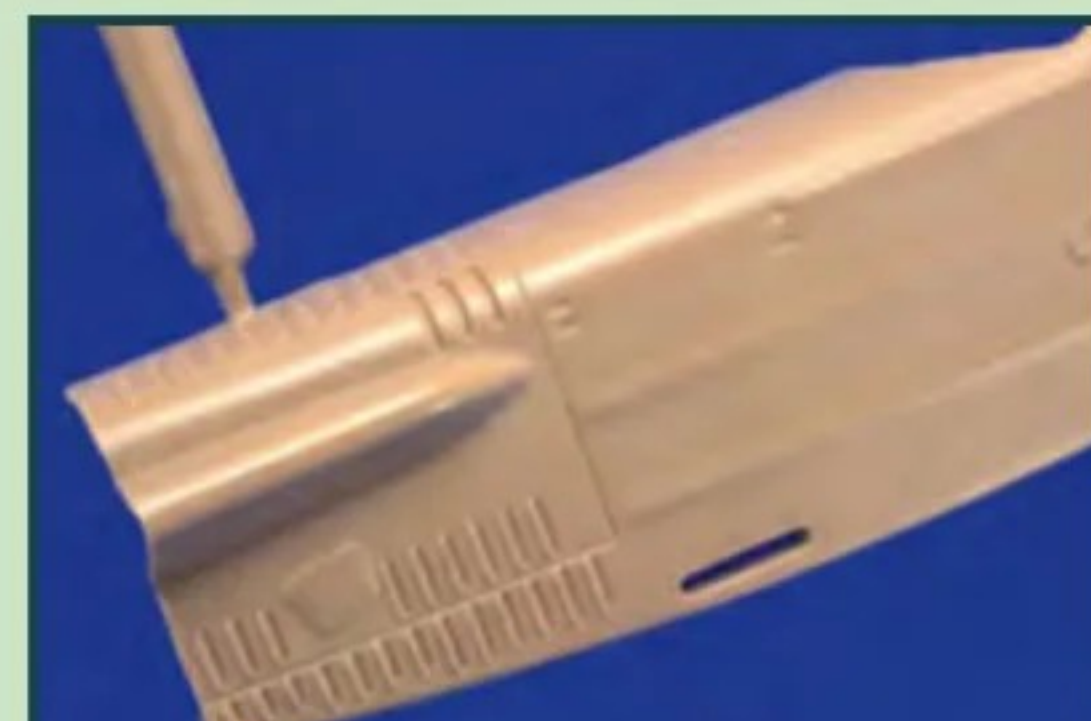
The Letov Š-16 was a Czechoslovakian-made, single-engined, two-seat biplane bomber, designed by Alois Šmolík. The initial prototype flew Prague-Kbely airport in November 1926 and was exhibited at the Salon de l'Aeronautique in Paris, in December that year. Turkey ordered twelve of the S-16T variant in 1930-31. The type remained in service with the Czechoslovak Air Force until 1936 when it was gradually replaced by more modern aircraft Letov Š-328. This is Brengun's fourth iteration of their 1:72 Letov Š-16, first released in 2014 and here presented in the markings of the Turkish Air Force. The first thing that one notices is how large it is! Usually, single-engined biplane models in 1:72 are tiny little things but here we have a wingspan of around 210mm (upper wing) so it must have been an impressive bird to see in flight. The kit parts are moulded in a toffee-coloured polystyrene across two sprues, with resin castings for a new engine and propeller appropriate for this variant to be found in the box. To install the new resin engine cowlings, the modeller must chop off the front of each fuselage half using a razor saw, but this isn't as daunting as it sounds and a clear diagram of where to cut is provided in the instructions. This is a short-run style of model and as such will require plenty of test-fitting and possibly adjusting for it to all come together, so it's not really a beginner's project, but to make up for that extra challenge, we have a very nicely detailed miniature replica of a handsome and esoteric aircraft from the interwar years and when finished to a high standard, it's certain to attract attention in the display cabinet or on a model-competition table. **TMMI**



Fabulously unusual subject, excellent detail



Some experience of short-run kits will be essential



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)



GECKO MODEL, HONG KONG DAIMLER ARMOUR CAR MK.II WWII VERSION

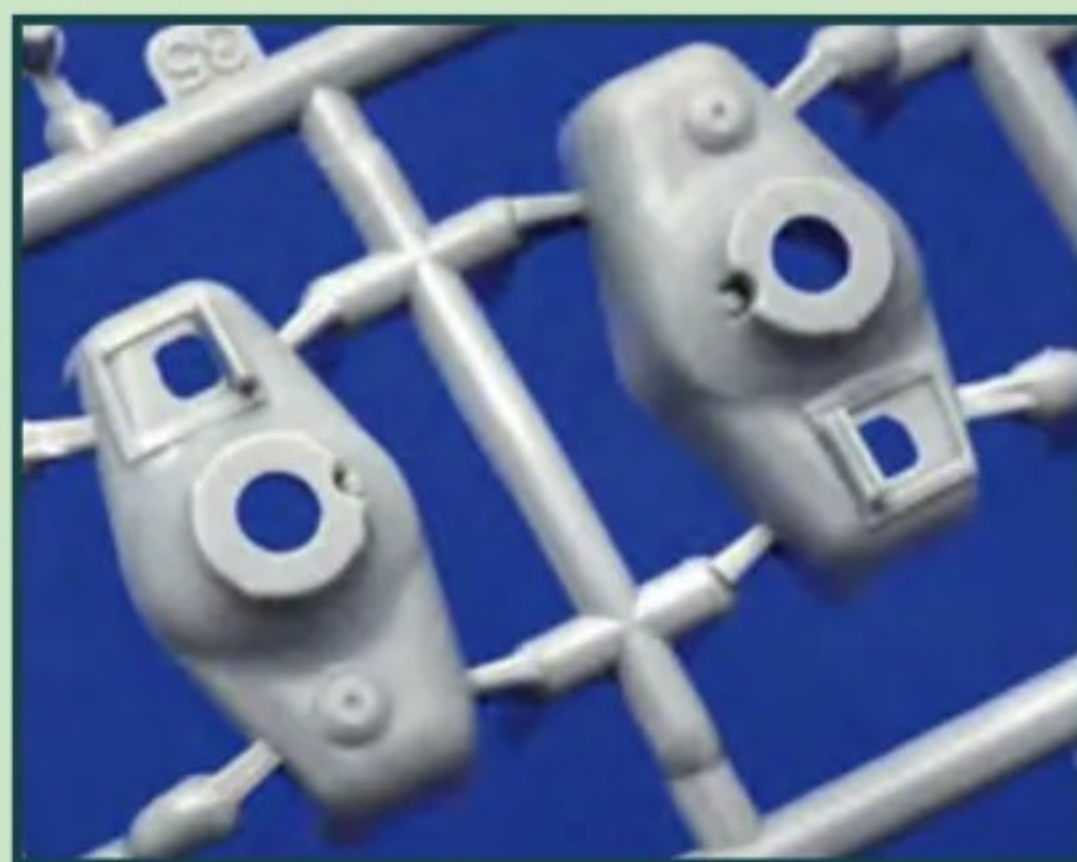
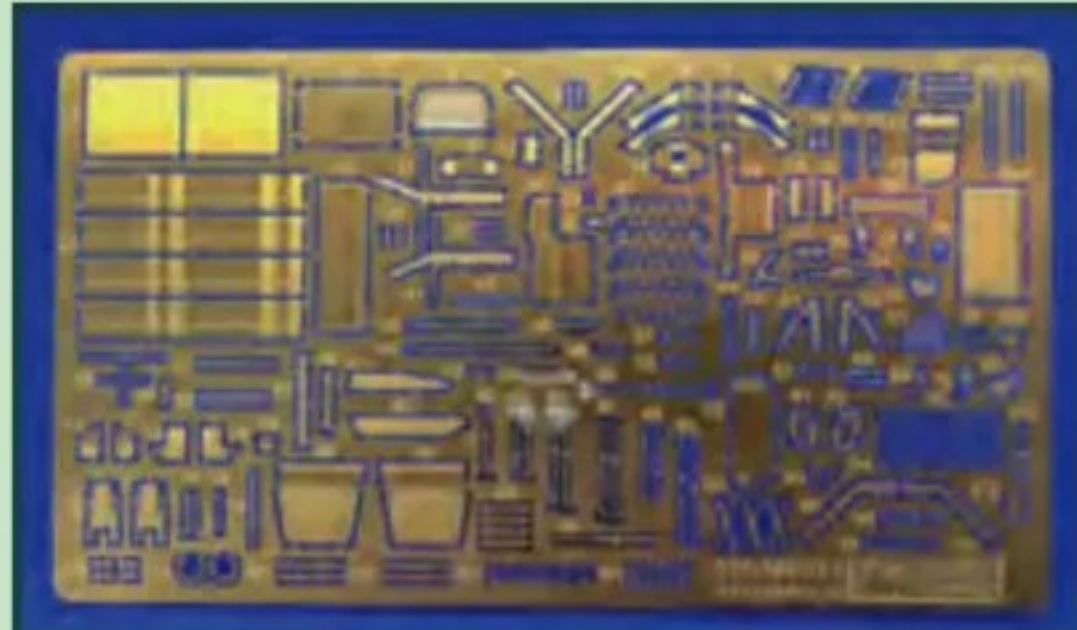
www.gecko-models.com www.tigerhobbies.co.uk

SCALE: 1:35 • MATERIALS: IM, PE, WS • ITEM NO.35GM0012

Arriving on least twenty-two sprues of grey plastic – plus five injection-moulded tyres and a sizeable fret of photo-etched brass – nobody could accuse Gecko Models' 1:35 kit of the Daimler armour car being a simplistic production! Admittedly, a good number of those sprues are bit-sized and carry just wheel hubs, rounds of ammunition and other smaller components, but it is a still an 'impressive boxful of parts' as we so often say and you'll need some quality model-bench-time to complete the project. The Daimler was a successful British armoured car design of the Second World War (that continued in service into the 1950s) that was designed for the armed reconnaissance and liaison roles. It saw action in the North African theatre of operations with the 11th Hussars and Derbyshire Yeomanry and was also deployed to north west Europe; a few examples even reached the South-East Asian theatre. Built by Birmingham Small Arms, it incorporated some of the most advanced design concepts of the time and is considered one of the best British armoured fighting vehicles of the Second World War. Gecko Models have done a marvellous job here and provide the modeller with a full cabin interior that includes driver's station, battery, foot-pedals and final drives, as well full turret internals comprising a radio, ammunition storage and a complete depiction of the QF 2-Pounder main gun. By far the most daunting-looking part of the kit is the suspension and we have read that this is quite challenging to assemble; lots of test fitting will be needed we think. The moulded-in detail is fantastic, augmented by a plethora of photo-etched brass parts which will add that all-important touch of extra 'sharpness'. **TMMI**

+ Brilliant subject with tons of fine detail

- Not a quick build and some areas might be challenging



ICM, UKRAINE KRANKPANZERWAGEN SD.KFZ.251/8 AUSF.A WWII GERMAN AMBULANCE

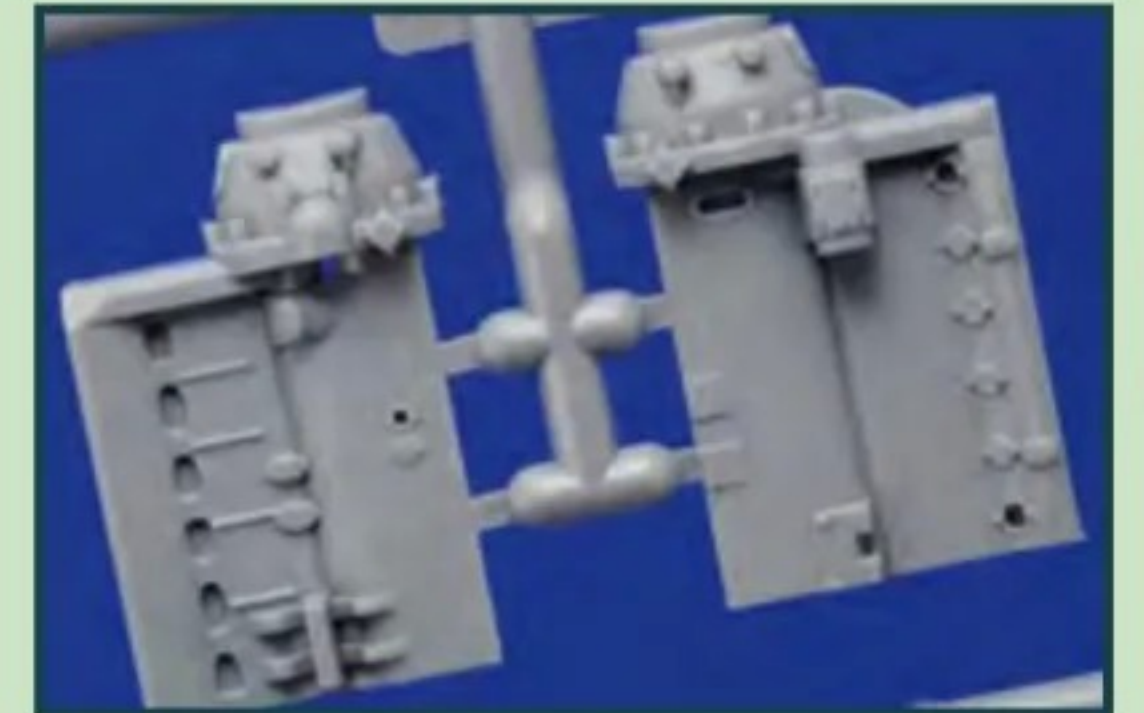
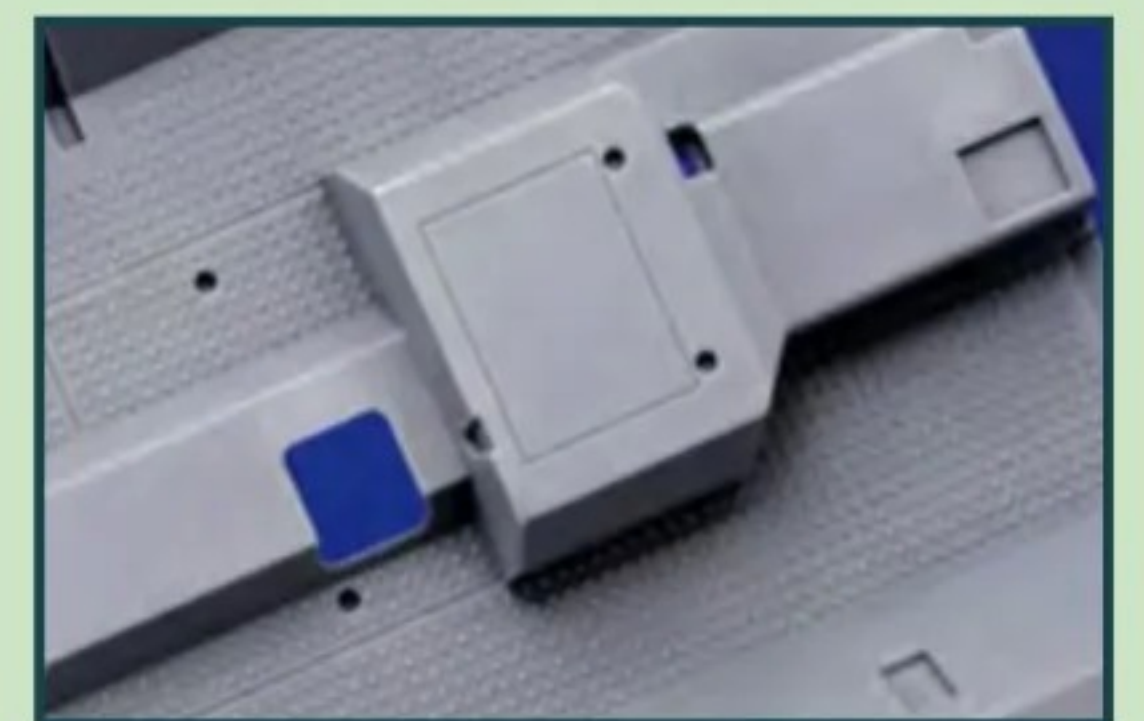
www.icm.com.ua www.hannants.co.uk

SCALE: 1:35 • MATERIALS: IM, SVT, WS • ITEM NO.35113

ICM's base kit of the Sd.Kfz.251 Ausf.A dates only from 2018, so it's a modern-generation kit of an exceedingly high standard; no dodgy old moulds repurposed for a new role here. It features some really lovely attention to detail, such as the subtle non-slip pattern on the cabin floor and the open-moulded grille on the engine cover's upper front surface. A full engine is supplied and it can remain (mostly) on show thanks to the separately-moulded access panels. The notoriously fiddly (from a modelling perspective) interleaved suspension is tackled with aplomb, its individual swing-arms and numerous, overlapping wheels left off until the later stages of construction to avoid damage during handling. The only 'negative' here is the provision of one-piece, synthetic rubber tracks, although to be fair, they are extremely well detailed and moulded to perfection. It's worth noting that many modellers prefer this type of track and will hesitate to buy a model if individual links are the only option in the box. Also, there are several choices of individual-link Sd.Kfz.251 track available from aftermarket manufacturers, so the modeller can easily choose to buy some to replace the rubber items; not so easy the other way around. This version of the WW2 German halftrack represents a 'krankenpanzerwagen' (ambulance) and so comes with stretchers and what appears to be a water barrel for the interior, along with a sheet of red-cross decals. **TMMI**

+ A superb, modern kit of the early '251 halftrack with excellent detail

- One-piece rubber tracks are provided, but appreciated by more modellers than one might think



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



MINIART, UKRAINE P-47D-25RE THUNDERBOLT

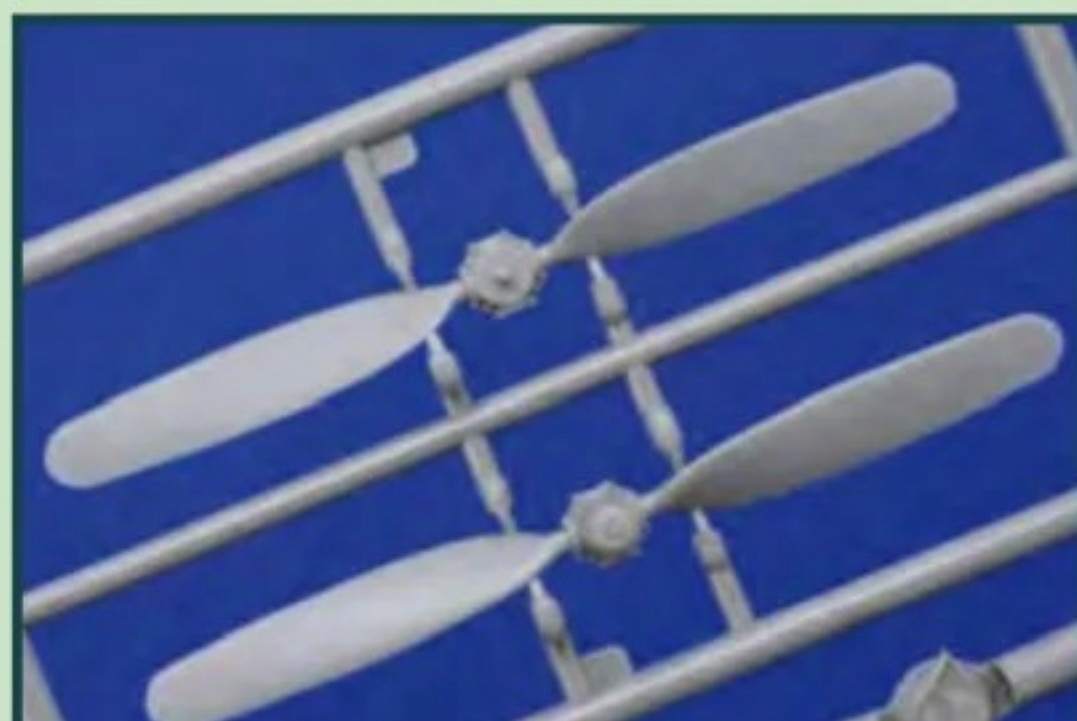
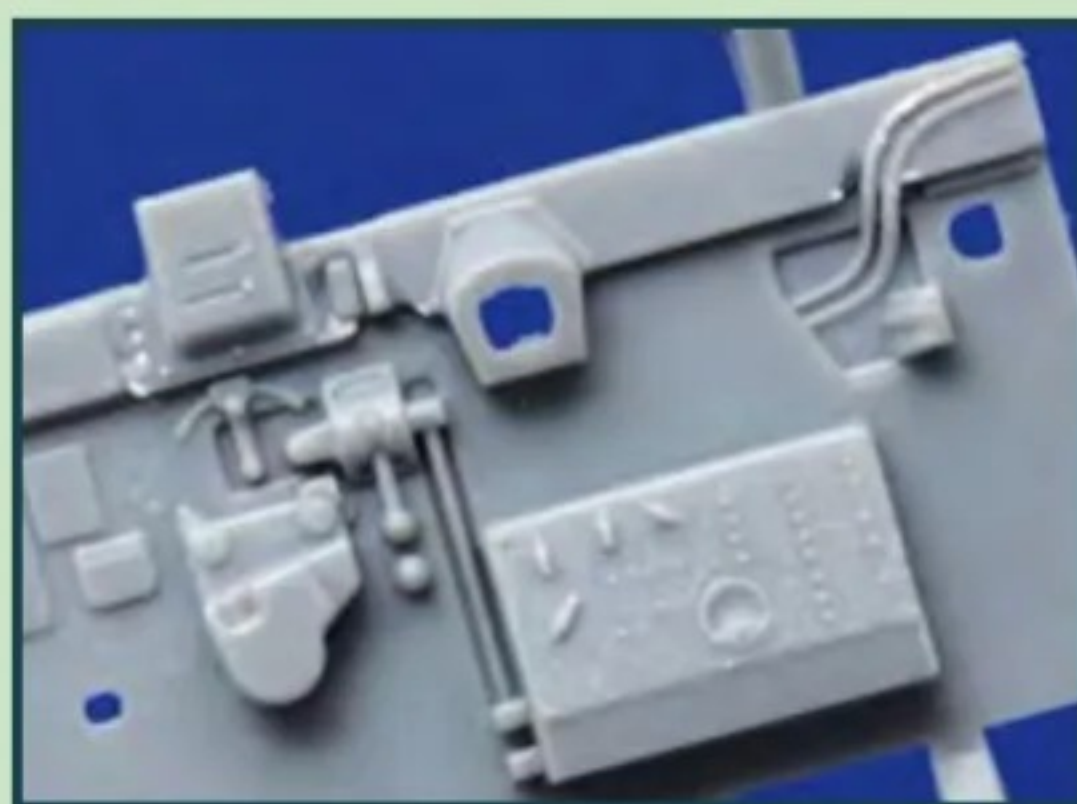
www.icm.com.ua www.creativemodels.co.uk

SCALE: 1:48 • MATERIALS: IM, WS • ITEM NO.48009

You might think Tamiya's sublime, 2002 kit of the Republic P-47D Thunderbolt in 1:48 would universally satisfy the demand by modellers for an accurate, well detailed and easy-to-construct kit of this WW2 USAAF behemoth, but it is over twenty years old now and calls for ever more detail and complications (clever, enjoyable ones) have multiplied in that time. Enter, then, MiniArt, with their new-tool model of the 'Bubbletop' Thunderbolt, box-fresh for 2023. It's quite the departure for this manufacturer, who are best known (and loved) for their vast catalogue of 1:35 kits of armoured vehicles, figures, accessories and, of course, their still-wonderful vacuum-formed buildings and diorama sets. The Thunderbolt arrives in a large box containing eight sprues of – you guessed it – injection-moulded grey polystyrene with a clear sprue for the canopy plus a sheet of waterslide decals that carries two optional schemes, both for machines of the 8th Air Force, 1944. The box artwork tells us this is a 'Basic Kit' which appears to denote a lack of photo-etched parts, but in reality it's anything but basic. As an example of this, the cockpit is beautifully executed, with a multi-part pilot's seat (moulded in but very well done harnesses) a finely rendered floor (although there is some debate about the accuracy of this part), and individual representations of the throttle, oxygen hose and other small items. The instrument panel is nicely formed and decals are provided for just the dials (a single decal plus individually printed) and a whole decal that covers the panel. We have seen that an 'Advanced Kit' version of the P-47D (with different markings) is on its way - more news on that soon. **TMMI**

+ Flawless subject, airframe covered in rivets, excellent cockpit

- Do we need a new P-47D? MiniArt thinks we do and it looks great in the box!



TAKOM, HONG KONG JAGDPANZER 38(t) HETZER LATE PRODUCTION

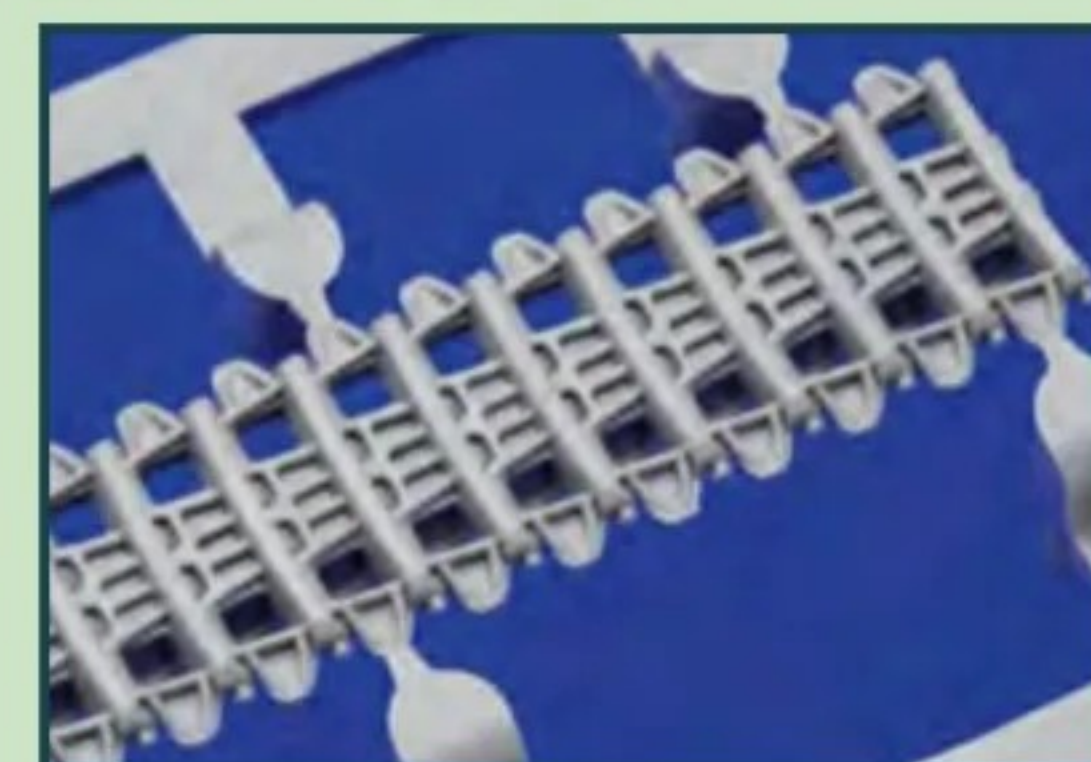
www.bachmann.co.uk

SCALE: 1:35 • MATERIALS: IM, PE, WS • ITEM NO.2172X

The World War Two German Jagdpanzer 38(t) tank-hunter is an evergreen subject for armour modellers and there have been numerous 1:35 kits released of it by Tamiya, Dragon and even Eduard over the years, plus other models in larger and smaller scales. It's still quite a modern-looking design (to this reviewer's eyes at least) and it makes an attractive and tempting prospect for a full-build project, not least because of the complex camouflage applied to certain versions. Takom launched a family of 1:35 'Hetzer' kits in 2023 that includes the early-production type with a full interior (as well the same variant but without the internal parts) with similar approaches for the mid-production and late-production kits, the latter reviewed here. Even 'sans innards' the box contains twelve sprues of parts including clear mouldings for the periscopes; a clear hull roof is also to be found on the transparent frame but it is redundant for this non-interior edition. An opaque roof is provided in grey polystyrene, should you worry that the model paint won't adequately cover the see-through moulding. The detail is subtle and restrained and there are some neat touches, such as two-part brackets for the jack which allow it to look much better than if it were a one-part moulding. Just a single piece of photo-etched brass is provided – the engine grille – and really, the kit doesn't need any more, although if you were going to town on your Jagdpanzer, the hole-filled tool box (earlier versions only) would look better in PE brass. The tracks are link-and-length and very nicely done. **TMMI**

+ The 'Hetzer' is a very model-genic subject and is a dream to paint and weather

- The only criticism here is the small-format instruction booklet which is quite hard to follow for older eyes





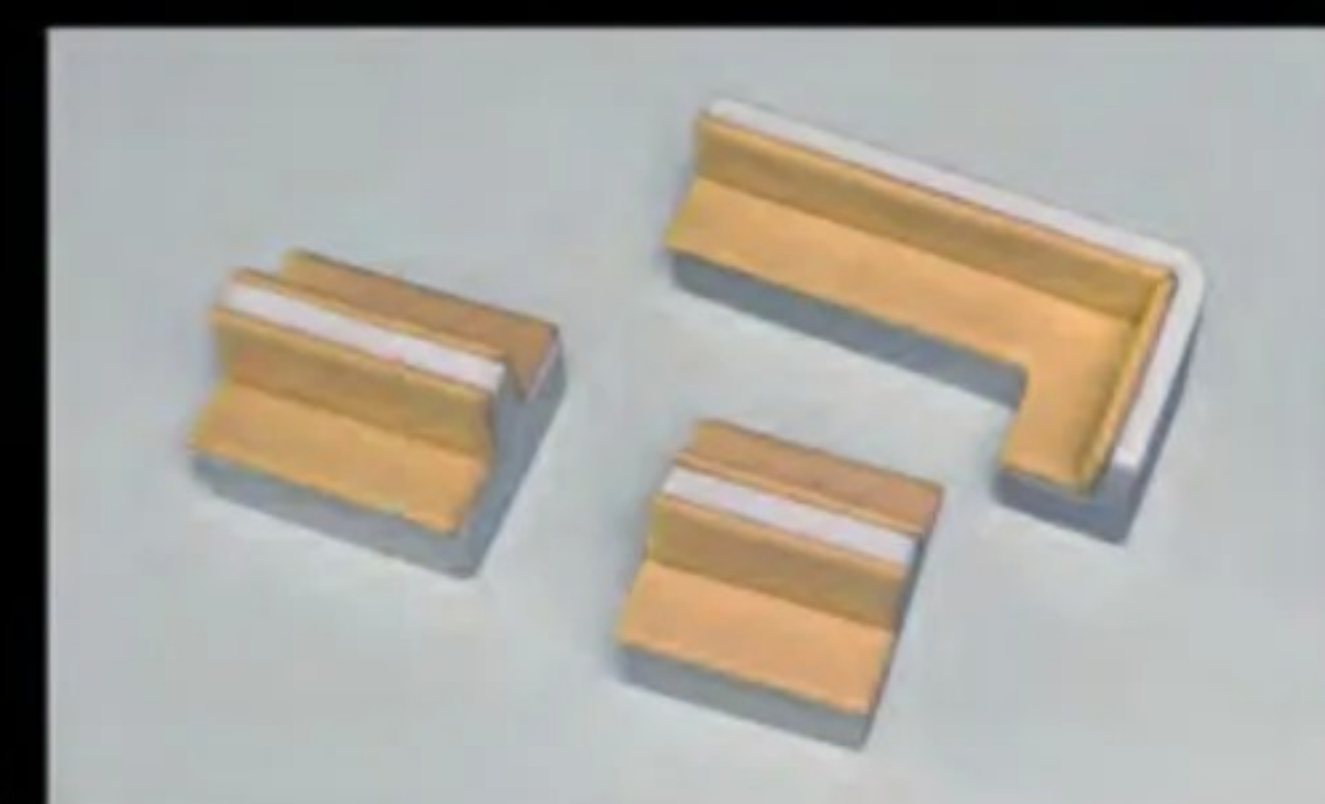
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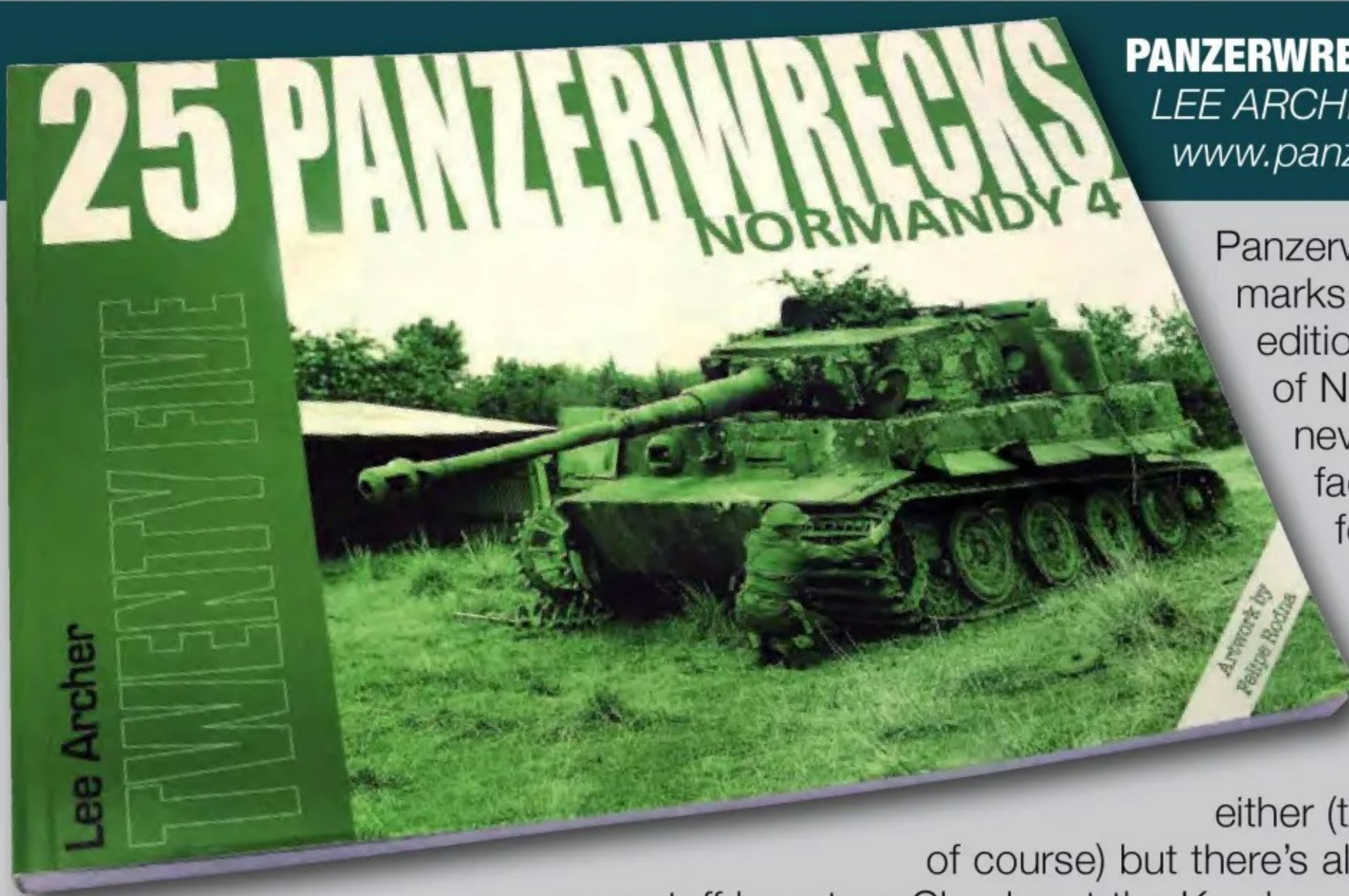
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ARADO AR234 BLITZ, THE WORLD'S FIRST JET BOMBER

J RICHARD SMITH, EDDIE CREEK, CLASSIC, CRÉCY PUBLISHING
www.crecy.co.uk

The Arado Ar234 'Blitz' (Lightning) could be described as the world's first purpose-built jet bomber and it's a fascinating machine. It has puzzled this reviewer that there haven't been more kits of it, with Hasegawa's 1:48 model from 2002 (and subsequent variants and reboxings) probably being the best out there. Fly Model also released a 1:32 model and Dragon and others have released in 1:72, but all quite a while ago. So, when we are building an older kit that might require a little of extra work to bring it up to spec, we will need a good set of references to hand, right? Well, this 2022 title from Classic Publications via Crécy provides that in oodles, in the form of wartime photographs that cover the cockpit interior, bomb bay, fuselage, jet engines and more and much more. Within the 320+, hard-backed pages we find an impressively detailed history of the Blitz, augmented by period images of the people behind the bomber's development, along with reproductions of technical illustrations and stunning, full-page colour profiles by Janusz Swiatlon. Collectively, this book's contents offer an insight into the Arado Ar234 that will be hard to beat and as such, it comes highly recommended to all those fascinated by WW2 Luftwaffe subjects and scale modellers alike. Please note, the swastika emblems have been obscured for this review but are present on the books' cover and inside. **TMMI**



PANZERWRECKS 25 NORMANDY 4

LEE ARCHER, FELIPE RODNA, PANZERWRECKS LTD
www.panzerwrecks.com

Panzerwrecks Volume 25 marks the series' fourth edition on the Battle of Normandy and it never gets boring! In fact, it's an absolute feast for modellers of Second World War Third Reich hardware and it's not just Tigers and Panthers either (they are included,



of course) but there's also some quite rare stuff here too. Check out the Krankenpanzerwagen auf

Unic P107 U 304(f) and leichter Reihwerfer (16 Rohre) auf Somua MCG on

pages 58 and 59 respectively: wonderful subjects to depict in 1:35, or smaller, or larger! The vehicle-list from Panzerwrecks' website is below and it's incredible. And all this for just £25 which is remarkably good value for money. Tiger Ausf.E, Panther Ausf.G, Panther Ausf.G Befehlswagen, Panther Ausf.A, Pz.Kpfw.IV Ausf.J, Pz.Kpfw.IV Ausf.H, Sturmgeschütz IV, Jagdpanzer IV, Hummel, Sturmgeschütz III Ausf.G, 15cm Grille Ausf.K, Flakpanzer 38, Sd.Kfz.251/1, Sd.Kfz.251/3, Sd.Kfz.251/4, Sd.Kfz.251/7, Sd.Kfz.251/9, Sd.Kfz.251/16, Sd.Kfz.250/1, Sd.Kfz.234/2, Selbstfahrlafette für 7.5cm Pak 40 auf Somua MCG, leichter Reihwerfer (16 Rohre) auf Somua MCG, Krankenpanzerwagen auf Unic P107 U 304(f), Sd.Kfz.7/2, Sd.Kfz.7/1, 15cm Panzerwerfer 42, RSO/01, Volkswagen Kübelwagen, Sd.Anh.116. **TMMI**



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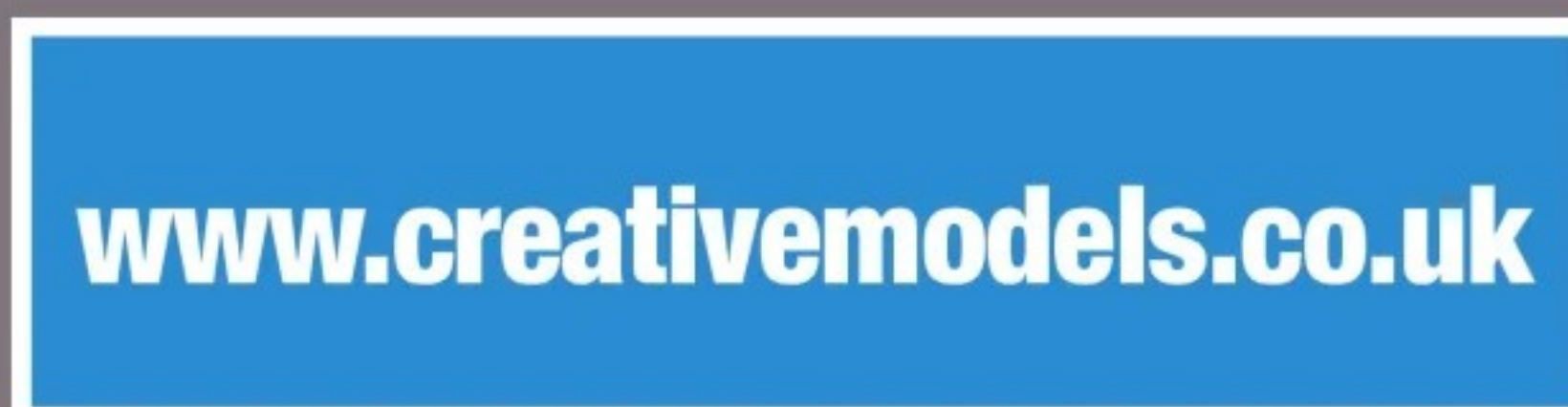
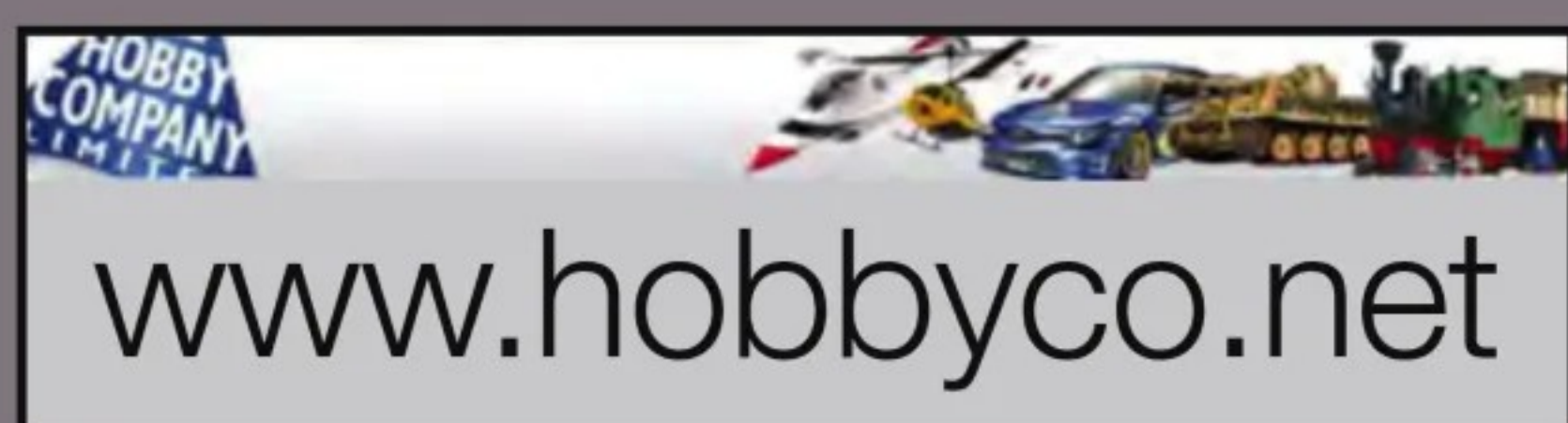


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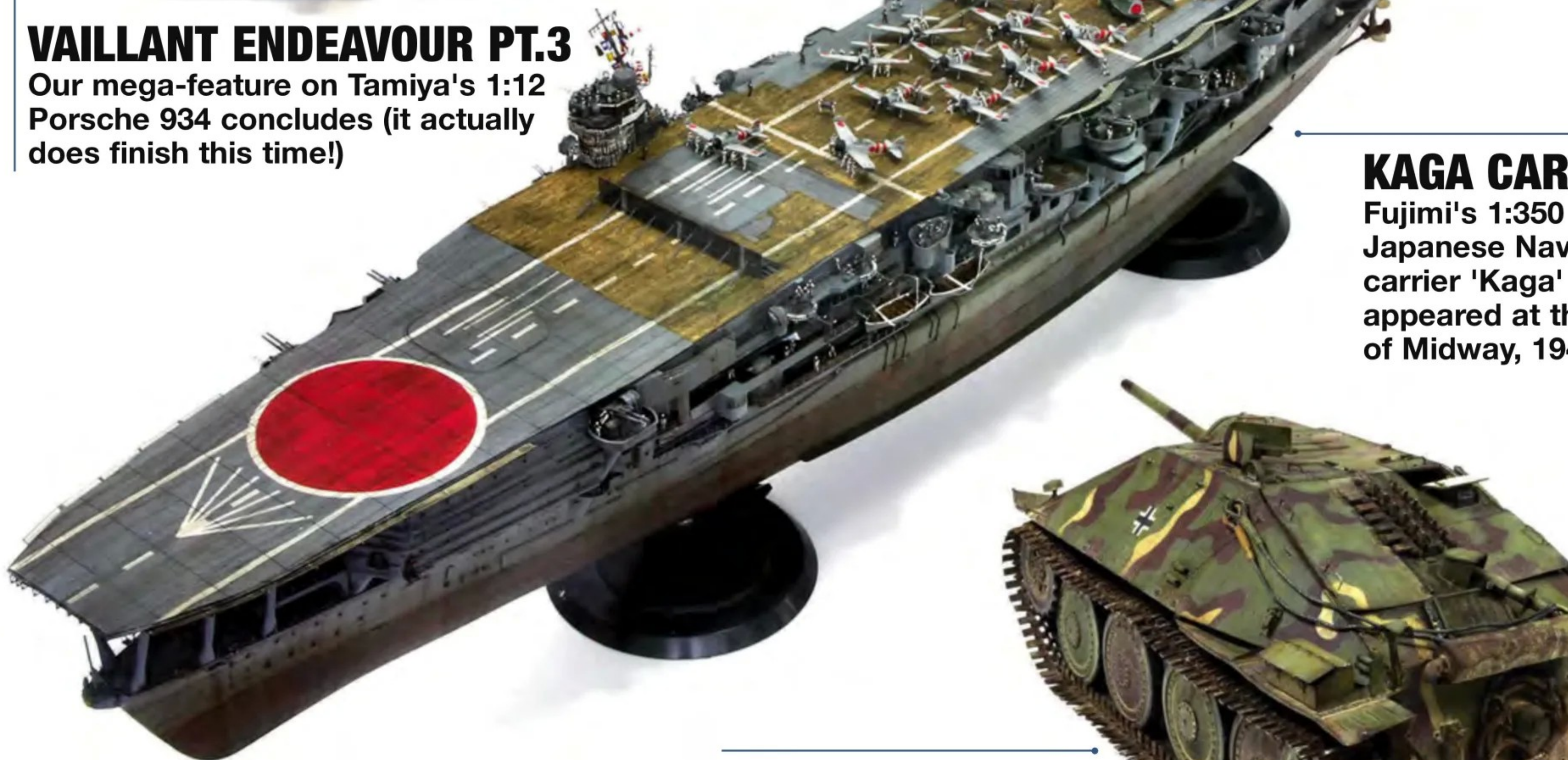
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The next issue of TMMI is March 2024
(No.341), on sale 15th February



VAILLANT ENDEAVOUR PT.3

Our mega-feature on Tamiya's 1:12
Porsche 934 concludes (it actually
does finish this time!)



KAGA CARRIER

Fujimi's 1:350 Imperial
Japanese Navy
carrier 'Kaga' as she
appeared at the Battle
of Midway, 1942

...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.

WHAT THE HETZ?

Superdetailing Tamiya's
1:35 Jagdpanzer 38(t) to
a whole new level



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The Editor's Page...

Tamiya's terrific Toyota is back from the '70s!

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A SLEEKER CELICA!

Along with the two 1:20 Porsche 935s re-issued recently, this 1978 kit of the Toyota Celica LB Turbo Gr.5 comes from that golden age of Tamiya releases when we were treated regularly to such racing beasts in scale model form. I was a tender twelve-year old at the time of the kit's original launch and an avid builder of Airfix, Matchbox and Revell 1:72 aircraft models, hanging them from my bedroom ceiling, of course. To me, a 'huge' car kit like this was beyond my means (and ability) so to have it re-released now is a real treat and all the more appealing as it looks like a reasonably quick build with no tricky masking needed: it's blue all over! The model now comes with newly designed slick tyres, Cartograf decals and updated instruction manual to

make it even more modeller-friendly. An amazing-looking car, an absolute Tamiya classic and only around £40. What's not to love? ●

www.tamiya.com www.hobbyco.net



EDITOR'S CHOICE

Tamiya Anti-Slip Sticker (0.4mm x 75mm x 150mm, 87227)

My 'choice' this month is a bit of a misnomer as I haven't actually put this product to use yet, but it did strike me as potentially rather useful. It's a 75mm x 150mm sheet of flexible, rubberised material with a self-adhesive backing and can be cut to shape with a modelling knife or scissors. The suggested uses include non-slip pads for display bases, on steel rulers to stop them moving around when cutting plastic sheet and for making high-grip pads on pliers and tweezers for securely handling small components. I'm certain there are myriad other uses, so I will add it to my modelling inventory and it will be deployed when the need arises!

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1/48 F-35B LIGHTNING II Item No.61125



The **ULTIMATE** Version of the **F-35B** is **INCOMING**

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VERSION INCLUDED**

Kit Details

- Can be depicted as Parked, Short takeoff or Vertical landing.
- Choice of three ordnance patterns - stealth mode, air-to-air mode and beast mode.
- The lift fan depicted with ergonomic parts breakdown is integrated with nose landing gear bay. The inside fan shape is realistically rendered.
- The variable vane under lift fan can be depicted at different angles.
- Shorter fuselage weapon bays compared to the F-35A are newly moulded and have detailed depictions of cables.
- Rotary engine duct nozzle angles.
- Open or closed fuselage weapon bay doors, and half-open two inside weapon bay doors to capture vertical landing.
- Up or down leading-edge, trailing edge flaperons and horizontal stabilizers.
- Nose landing gear and main landing gear can be chosen between with or without load, according to chosen assembly type.
- Open or closed canopy.
- Extended or retracted boarding ladder.
- The engine nozzle is broken down into five separate pieces for detail.
- Martin-Baker US16E ejection seat depicted in detail.
- Includes a stand which can be used when depicting vertical landing.
- Comes with decals to depict 7 marking options from a total of three countries (United States Marine Corps, Royal Air Force, Italian Air Force / Navy).
- Includes various kinds of ordnance: AIM-9X Sidewinder x2, AIM-120C AMRAAM x2, GBU-12 Paveway II x4, and GBU-32 JDAM x2 (which can be mounted to shorter weapon bays compared to the F-35A).
- Masking stickers for the canopy.
- Pilot figure included.



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1/48 Aircraft Series
Avro Lancaster B Mk.I/III
(Item 61112)

The aircraft model kit is sold separately.

An Unsung Royal Air Force Hero

1/48 Military Miniature Series **British 2-Ton 4x2 Ambulance** (Item 32605)

From 1942 to the end of WWII, the British bomber aircraft Avro Lancaster flew to the mainland of Germany 107,085 times and dropped 608,612 tons of bombs, which contributed to the German surrender. On the other hand, the Royal Air Force lost over 3,000 aircraft, and many Lancasters came back with injured crew, who were often welcomed back by the British 2-Ton 4x2 Ambulance which served on Royal Air Force bases with the Medical Corps. Now, Tamiya welcomes this ambulance into the extensive 1/48 Military Miniature Series! Dioramas with 1/48 kits such as the Avro Lancaster B Mk.I/III and the Cromwell Mk.IV Cruiser Tank will expand your modeling world.

★The truck-based form is authentically captured. ★Comes with a driver figure and two marking options. ★Features succinctly and realistically depicted suspension. ★Clear parts recreate headlights and windshield.

Length: 119mm
Width: 48mm



Painting the British 2-Ton 4x2 Ambulance

- XF-58 Olive Green
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Make dioramas with 1/48 Military Miniature Series and 1/48 Aircraft Series models!

1/48
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Cromwell Mk.IV British Cruiser Tank Mk.VIII, A27M (Item 32528)



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WWII British Infantry Set (European Campaign) (Item 32526)



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

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